

## **APPENDIX AQ**

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### Air Quality and Greenhouse Gases Analysis

## North Campus School Existing Operations - Contra Costa County, Annual

## North Campus School Existing Operations Contra Costa County, Annual

### 1.0 Project Characteristics

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#### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior High School	39.96	1000sqft	0.92	39,960.00	0

#### 1.2 Other Project Characteristics

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	5			<b>Operational Year</b>	2019
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	294	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

#### 1.3 User Entered Comments & Non-Default Data

Project Characteristics - PG&E 2016 CO2 intensity per 2018 CRSR

Land Use - Existing site conditions based on 39,960 sq.ft. main building.

Construction Phase - Operations only run for existing conditions.

Off-road Equipment - Operations only run for existing conditions.

Off-road Equipment - Operations only run for existing conditions.

Trips and VMT - Operations only run for existing conditions.

Architectural Coating - Operations only run for existing conditions.

Vehicle Trips - Trip rate based on 120 staff under existing conditions.

Energy Use -



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Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	19,980.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	59,940.00	0.00
tblConstructionPhase	NumDays	5.00	1.00
tblConstructionPhase	PhaseEndDate	10/22/2019	10/16/2019
tblGrading	AcresOfGrading	0.00	0.50
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	294
tblTripsAndVMT	WorkerTripNumber	3.00	0.00
tblVehicleTrips	WD_TR	13.78	6.00

## 2.0 Emissions Summary

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## North Campus School Existing Operations - Contra Costa County, Annual

## 2.1 Overall Construction

### Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.0000	0.0000	0.0000	0.0000	2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

### Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.0000	0.0000	0.0000	0.0000	2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

[illegible]

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1769	0.0000	3.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.1000e-004	7.1000e-004	0.0000	0.0000	7.6000e-004
Energy	3.5500e-003	0.0323	0.0271	1.9000e-004		2.4500e-003	2.4500e-003		2.4500e-003	2.4500e-003	0.0000	58.7813	58.7813	3.0100e-003	1.1300e-003	59.1922
Mobile	0.0542	0.2391	0.6117	1.7900e-003	0.1438	2.0000e-003	0.1458	0.0386	1.8800e-003	0.0405	0.0000	163.4427	163.4427	6.7200e-003	0.0000	163.6108
Waste						0.0000	0.0000		0.0000	0.0000	10.5454	0.0000	10.5454	0.6232	0.0000	26.1257
Water						0.0000	0.0000		0.0000	0.0000	0.2614	1.5836	1.8450	0.0270	6.7000e-004	2.7187
<b>Total</b>	<b>0.2347</b>	<b>0.2714</b>	<b>0.6392</b>	<b>1.9800e-003</b>	<b>0.1438</b>	<b>4.4500e-003</b>	<b>0.1483</b>	<b>0.0386</b>	<b>4.3300e-003</b>	<b>0.0429</b>	<b>10.8068</b>	<b>223.8083</b>	<b>234.6151</b>	<b>0.6600</b>	<b>1.8000e-003</b>	<b>251.6482</b>

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**2.2 Overall Operational****Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1769	0.0000	3.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.1000e-004	7.1000e-004	0.0000	0.0000	7.6000e-004
Energy	3.5500e-003	0.0323	0.0271	1.9000e-004		2.4500e-003	2.4500e-003		2.4500e-003	2.4500e-003	0.0000	58.7813	58.7813	3.0100e-003	1.1300e-003	59.1922
Mobile	0.0542	0.2391	0.6117	1.7900e-003	0.1438	2.0000e-003	0.1458	0.0386	1.8800e-003	0.0405	0.0000	163.4427	163.4427	6.7200e-003	0.0000	163.6108
Waste						0.0000	0.0000		0.0000	0.0000	10.5454	0.0000	10.5454	0.6232	0.0000	26.1257
Water						0.0000	0.0000		0.0000	0.0000	0.2614	1.5836	1.8450	0.0270	6.7000e-004	2.7187
<b>Total</b>	<b>0.2347</b>	<b>0.2714</b>	<b>0.6392</b>	<b>1.9800e-003</b>	<b>0.1438</b>	<b>4.4500e-003</b>	<b>0.1483</b>	<b>0.0386</b>	<b>4.3300e-003</b>	<b>0.0429</b>	<b>10.8068</b>	<b>223.8083</b>	<b>234.6151</b>	<b>0.6600</b>	<b>1.8000e-003</b>	<b>251.6482</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

**3.0 Construction Detail****Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	5/17/2019	5/17/2019	5	1	
2	Architectural Coating	Architectural Coating	10/16/2019	10/16/2019	5	1	

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**Acres of Grading (Site Preparation Phase): 0.5****Acres of Grading (Grading Phase): 0****Acres of Paving: 0****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	0.00	78	0.48
Site Preparation	Graders	0	0.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	0	0.00	97	0.37

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

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### 3.2 Site Preparation - 2019

### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>2.7000e-004</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

### Unmitigated Construction Off-Site

[illegible]

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### 3.2 Site Preparation - 2019

### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

### Mitigated Construction Off-Site

[illegible]

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### 3.3 Architectural Coating - 2019

### Unmitigated Construction On-Site

[illegible]

### Unmitigated Construction Off-Site

[illegible]



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**3.3 Architectural Coating - 2019****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**4.0 Operational Detail - Mobile**

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## 4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0542	0.2391	0.6117	1.7900e-003	0.1438	2.0000e-003	0.1458	0.0386	1.8800e-003	0.0405	0.0000	163.4427	163.4427	6.7200e-003	0.0000	163.6108
Unmitigated	0.0542	0.2391	0.6117	1.7900e-003	0.1438	2.0000e-003	0.1458	0.0386	1.8800e-003	0.0405	0.0000	163.4427	163.4427	6.7200e-003	0.0000	163.6108

## 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior High School	239.76	0.00	0.00	385,019	385,019
Total	239.76	0.00	0.00	385,019	385,019

## 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior High School	9.50	7.30	7.30	72.80	22.20	5.00	63	25	12

## 4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior High School	0.571348	0.041302	0.187452	0.129481	0.019048	0.005152	0.010609	0.022861	0.001566	0.001884	0.005572	0.002772	0.000953

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**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	23.6604	23.6604	2.3300e-003	4.8000e-004	23.8626
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	23.6604	23.6604	2.3300e-003	4.8000e-004	23.8626
NaturalGas Mitigated	3.5500e-003	0.0323	0.0271	1.9000e-004		2.4500e-003	2.4500e-003		2.4500e-003	2.4500e-003	0.0000	35.1209	35.1209	6.7000e-004	6.4000e-004	35.3296
NaturalGas Unmitigated	3.5500e-003	0.0323	0.0271	1.9000e-004		2.4500e-003	2.4500e-003		2.4500e-003	2.4500e-003	0.0000	35.1209	35.1209	6.7000e-004	6.4000e-004	35.3296

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**5.2 Energy by Land Use - NaturalGas****Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior High School	658141	3.5500e-003	0.0323	0.0271	1.9000e-004		2.4500e-003	2.4500e-003		2.4500e-003	2.4500e-003	0.0000	35.1209	35.1209	6.7000e-004	6.4000e-004	35.3296
<b>Total</b>		<b>3.5500e-003</b>	<b>0.0323</b>	<b>0.0271</b>	<b>1.9000e-004</b>		<b>2.4500e-003</b>	<b>2.4500e-003</b>		<b>2.4500e-003</b>	<b>2.4500e-003</b>	<b>0.0000</b>	<b>35.1209</b>	<b>35.1209</b>	<b>6.7000e-004</b>	<b>6.4000e-004</b>	<b>35.3296</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior High School	658141	3.5500e-003	0.0323	0.0271	1.9000e-004		2.4500e-003	2.4500e-003		2.4500e-003	2.4500e-003	0.0000	35.1209	35.1209	6.7000e-004	6.4000e-004	35.3296
<b>Total</b>		<b>3.5500e-003</b>	<b>0.0323</b>	<b>0.0271</b>	<b>1.9000e-004</b>		<b>2.4500e-003</b>	<b>2.4500e-003</b>		<b>2.4500e-003</b>	<b>2.4500e-003</b>	<b>0.0000</b>	<b>35.1209</b>	<b>35.1209</b>	<b>6.7000e-004</b>	<b>6.4000e-004</b>	<b>35.3296</b>

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**5.3 Energy by Land Use - Electricity****Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior High School	177422	23.6604	2.3300e-003	4.8000e-004	23.8626
<b>Total</b>		<b>23.6604</b>	<b>2.3300e-003</b>	<b>4.8000e-004</b>	<b>23.8626</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior High School	177422	23.6604	2.3300e-003	4.8000e-004	23.8626
<b>Total</b>		<b>23.6604</b>	<b>2.3300e-003</b>	<b>4.8000e-004</b>	<b>23.8626</b>

**6.0 Area Detail****6.1 Mitigation Measures Area**

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1769	0.0000	3.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.1000e-004	7.1000e-004	0.0000	0.0000	7.6000e-004
Unmitigated	0.1769	0.0000	3.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.1000e-004	7.1000e-004	0.0000	0.0000	7.6000e-004

## 6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0208					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1561					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.0000e-005	0.0000	3.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.1000e-004	7.1000e-004	0.0000	0.0000	7.6000e-004
<b>Total</b>	<b>0.1769</b>	<b>0.0000</b>	<b>3.7000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>7.1000e-004</b>	<b>7.1000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>7.6000e-004</b>

## North Campus School Existing Operations - Contra Costa County, Annual

**6.2 Area by SubCategory****Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0208					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1561					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.0000e-005	0.0000	3.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.1000e-004	7.1000e-004	0.0000	0.0000	7.6000e-004
<b>Total</b>	<b>0.1769</b>	<b>0.0000</b>	<b>3.7000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>7.1000e-004</b>	<b>7.1000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>7.6000e-004</b>

**7.0 Water Detail****7.1 Mitigation Measures Water**

## North Campus School Existing Operations - Contra Costa County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	1.8450	0.0270	6.7000e-004	2.7187
Unmitigated	1.8450	0.0270	6.7000e-004	2.7187

## 7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior High School	0.824015 / 2.1189	1.8450	0.0270	6.7000e-004	2.7187
<b>Total</b>		<b>1.8450</b>	<b>0.0270</b>	<b>6.7000e-004</b>	<b>2.7187</b>



## North Campus School Existing Operations - Contra Costa County, Annual

**7.2 Water by Land Use****Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior High School	0.824015 / 2.1189	1.8450	0.0270	6.7000e-004	2.7187
<b>Total</b>		<b>1.8450</b>	<b>0.0270</b>	<b>6.7000e-004</b>	<b>2.7187</b>

**8.0 Waste Detail****8.1 Mitigation Measures Waste****Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	10.5454	0.6232	0.0000	26.1257
Unmitigated	10.5454	0.6232	0.0000	26.1257

## North Campus School Existing Operations - Contra Costa County, Annual

**8.2 Waste by Land Use****Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior High School	51.95	10.5454	0.6232	0.0000	26.1257
<b>Total</b>		<b>10.5454</b>	<b>0.6232</b>	<b>0.0000</b>	<b>26.1257</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior High School	51.95	10.5454	0.6232	0.0000	26.1257
<b>Total</b>		<b>10.5454</b>	<b>0.6232</b>	<b>0.0000</b>	<b>26.1257</b>

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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## North Campus School Existing Operations - Contra Costa County, Annual

**10.0 Stationary Equipment**

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**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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## North Campus School Construction and Operations - Contra Costa County, Annual

## North Campus School Construction and Operations

### Contra Costa County, Annual

## 1.0 Project Characteristics

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### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior High School	900.00	Student	8.31	105,805.52	0
Parking Lot	90.00	Space	0.81	36,000.00	0

### 1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	5			Operational Year	2021
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	294	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

### 1.3 User Entered Comments & Non-Default Data

## North Campus School Construction and Operations - Contra Costa County, Annual

Project Characteristics - PG&E 2016 CO2 intensity per 2018 CRSR

Land Use - Project acreage based on 397,267 square foot project site. Default square feet for school.

Construction Phase - Default construction phasing, assumes an approximate 14 month construction schedule. Operational anticipated in Fall 2021.

Off-road Equipment - Default equipment.

Off-road Equipment - Default equipment.

Off-road Equipment - Default equipment.

Off-road Equipment - Default equipment supplemented by project specific equipment list.

Off-road Equipment - Default equipment supplemented by project specific equipment.

Off-road Equipment - Default equipment.

Grading - Assumes a preliminary estimate of 2,222 CY of cut/fill.

Demolition - No on-site demolition. Assumes portable buildings will be removed from site on truck-trailers.

Trips and VMT - Default worker and vendor trips. Additional haul truck trips added during demolition phase to account for removal of 10 portable buildings.

Energy Use -

Construction Off-road Equipment Mitigation - Fugitive dust control of watering twice per day and 15 mph on unpaved roads.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblGrading	MaterialExported	0.00	2,222.00
tblLandUse	LotAcreage	2.43	8.31
tblOffRoadEquipment	LoadFactor	0.31	0.31
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblProjectCharacteristics	CO2IntensityFactor	641.35	294
tblTripsAndVMT	HaulingTripNumber	0.00	20.00

## 2.0 Emissions Summary

## North Campus School Construction and Operations - Contra Costa County, Annual

**2.1 Overall Construction****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.1895	1.8583	1.3990	2.7800e-003	0.1895	0.0916	0.2811	0.0924	0.0854	0.1779	0.0000	245.6538	245.6538	0.0530	0.0000	246.9793
2021	0.7371	1.6458	1.5925	3.1800e-003	0.0466	0.0787	0.1253	0.0126	0.0738	0.0865	0.0000	280.1962	280.1962	0.0558	0.0000	281.5912
Maximum	0.7371	1.8583	1.5925	3.1800e-003	0.1895	0.0916	0.2811	0.0924	0.0854	0.1779	0.0000	280.1962	280.1962	0.0558	0.0000	281.5912

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.1895	1.8583	1.3990	2.7800e-003	0.1037	0.0916	0.1953	0.0466	0.0854	0.1320	0.0000	245.6535	245.6535	0.0530	0.0000	246.9791
2021	0.7371	1.6458	1.5925	3.1800e-003	0.0466	0.0787	0.1253	0.0126	0.0738	0.0865	0.0000	280.1960	280.1960	0.0558	0.0000	281.5910
Maximum	0.7371	1.8583	1.5925	3.1800e-003	0.1037	0.0916	0.1953	0.0466	0.0854	0.1320	0.0000	280.1960	280.1960	0.0558	0.0000	281.5910

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	36.33	0.00	21.11	43.62	0.00	17.35	0.00	0.00	0.00	0.00	0.00	0.00

## North Campus School Construction and Operations - Contra Costa County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	6-22-2020	9-21-2020	1.1198	1.1198
2	9-22-2020	12-21-2020	0.8155	0.8155
3	12-22-2020	3-21-2021	0.7401	0.7401
4	3-22-2021	6-21-2021	0.7464	0.7464
5	6-22-2021	9-21-2021	0.9828	0.9828
		Highest	1.1198	1.1198

## 2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.4723	8.0000e-005	9.1300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0177	0.0177	5.0000e-005	0.0000	0.0189
Energy	9.4000e-003	0.0854	0.0718	5.1000e-004		6.4900e-003	6.4900e-003		6.4900e-003	6.4900e-003	0.0000	157.3206	157.3206	8.1300e-003	3.0200e-003	158.4230
Mobile	0.2763	1.2452	3.1037	0.0103	0.8744	8.9400e-003	0.8834	0.2346	8.3700e-003	0.2430	0.0000	938.1804	938.1804	0.0352	0.0000	939.0608
Waste						0.0000	0.0000		0.0000	0.0000	33.3413	0.0000	33.3413	1.9704	0.0000	82.6016
Water						0.0000	0.0000		0.0000	0.0000	0.6922	4.1930	4.8852	0.0715	1.7600e-003	7.1987
<b>Total</b>	<b>0.7581</b>	<b>1.3307</b>	<b>3.1845</b>	<b>0.0108</b>	<b>0.8744</b>	<b>0.0155</b>	<b>0.8899</b>	<b>0.2346</b>	<b>0.0149</b>	<b>0.2495</b>	<b>34.0335</b>	<b>1,099.7116</b>	<b>1,133.7451</b>	<b>2.0853</b>	<b>4.7800e-003</b>	<b>1,187.3029</b>

## North Campus School Construction and Operations - Contra Costa County, Annual

**2.2 Overall Operational****Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.4723	8.0000e-005	9.1300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0177	0.0177	5.0000e-005	0.0000	0.0189
Energy	9.4000e-003	0.0854	0.0718	5.1000e-004		6.4900e-003	6.4900e-003		6.4900e-003	6.4900e-003	0.0000	157.3206	157.3206	8.1300e-003	3.0200e-003	158.4230
Mobile	0.2763	1.2452	3.1037	0.0103	0.8744	8.9400e-003	0.8834	0.2346	8.3700e-003	0.2430	0.0000	938.1804	938.1804	0.0352	0.0000	939.0608
Waste						0.0000	0.0000		0.0000	0.0000	33.3413	0.0000	33.3413	1.9704	0.0000	82.6016
Water						0.0000	0.0000		0.0000	0.0000	0.6922	4.1930	4.8852	0.0715	1.7600e-003	7.1987
<b>Total</b>	<b>0.7581</b>	<b>1.3307</b>	<b>3.1845</b>	<b>0.0108</b>	<b>0.8744</b>	<b>0.0155</b>	<b>0.8899</b>	<b>0.2346</b>	<b>0.0149</b>	<b>0.2495</b>	<b>34.0335</b>	<b>1,099.7116</b>	<b>1,133.7451</b>	<b>2.0853</b>	<b>4.7800e-003</b>	<b>1,187.3029</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

**3.0 Construction Detail****Construction Phase**



## North Campus School Construction and Operations - Contra Costa County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/22/2020	7/17/2020	5	20	
2	Site Preparation	Site Preparation	7/18/2020	7/31/2020	5	10	
3	Grading	Grading	8/1/2020	8/28/2020	5	20	
4	Building Construction	Building Construction	8/29/2020	7/16/2021	5	230	
5	Paving	Paving	7/17/2021	8/13/2021	5	20	
6	Architectural Coating	Architectural Coating	8/14/2021	9/10/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0.81

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 158,708; Non-Residential Outdoor: 52,903; Striped Parking Area: 2,160 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	1	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Welders	1	8.00	46	0.45
Building Construction	Aerial Lifts	1	8.00	63	0.31
Paving	Off-Highway Trucks	1	8.00	402	0.38

Trips and VMT

## North Campus School Construction and Operations - Contra Costa County, Annual

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	20.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	278.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	10	60.00	23.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	12.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

**3.2 Demolition - 2020****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0331	0.3320	0.2175	3.9000e-004		0.0166	0.0166		0.0154	0.0154	0.0000	33.9986	33.9986	9.6000e-003	0.0000	34.2386
<b>Total</b>	<b>0.0331</b>	<b>0.3320</b>	<b>0.2175</b>	<b>3.9000e-004</b>		<b>0.0166</b>	<b>0.0166</b>		<b>0.0154</b>	<b>0.0154</b>	<b>0.0000</b>	<b>33.9986</b>	<b>33.9986</b>	<b>9.6000e-003</b>	<b>0.0000</b>	<b>34.2386</b>

## North Campus School Construction and Operations - Contra Costa County, Annual

**3.2 Demolition - 2020****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.0000e-005	2.9000e-003	5.5000e-004	1.0000e-005	1.7000e-004	1.0000e-005	1.8000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.7583	0.7583	3.0000e-005	0.0000	0.7591
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-004	3.6000e-004	3.7700e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.0437	1.0437	3.0000e-005	0.0000	1.0443
<b>Total</b>	<b>5.8000e-004</b>	<b>3.2600e-003</b>	<b>4.3200e-003</b>	<b>2.0000e-005</b>	<b>1.3600e-003</b>	<b>2.0000e-005</b>	<b>1.3800e-003</b>	<b>3.7000e-004</b>	<b>2.0000e-005</b>	<b>3.8000e-004</b>	<b>0.0000</b>	<b>1.8020</b>	<b>1.8020</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>1.8035</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0331	0.3320	0.2175	3.9000e-004		0.0166	0.0166		0.0154	0.0154	0.0000	33.9986	33.9986	9.6000e-003	0.0000	34.2385
<b>Total</b>	<b>0.0331</b>	<b>0.3320</b>	<b>0.2175</b>	<b>3.9000e-004</b>		<b>0.0166</b>	<b>0.0166</b>		<b>0.0154</b>	<b>0.0154</b>	<b>0.0000</b>	<b>33.9986</b>	<b>33.9986</b>	<b>9.6000e-003</b>	<b>0.0000</b>	<b>34.2385</b>

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**3.2 Demolition - 2020****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.0000e-005	2.9000e-003	5.5000e-004	1.0000e-005	1.7000e-004	1.0000e-005	1.8000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.7583	0.7583	3.0000e-005	0.0000	0.7591
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-004	3.6000e-004	3.7700e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.0437	1.0437	3.0000e-005	0.0000	1.0443
<b>Total</b>	<b>5.8000e-004</b>	<b>3.2600e-003</b>	<b>4.3200e-003</b>	<b>2.0000e-005</b>	<b>1.3600e-003</b>	<b>2.0000e-005</b>	<b>1.3800e-003</b>	<b>3.7000e-004</b>	<b>2.0000e-005</b>	<b>3.8000e-004</b>	<b>0.0000</b>	<b>1.8020</b>	<b>1.8020</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>1.8035</b>

**3.3 Site Preparation - 2020****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0204	0.2121	0.1076	1.9000e-004		0.0110	0.0110		0.0101	0.0101	0.0000	16.7153	16.7153	5.4100e-003	0.0000	16.8505
<b>Total</b>	<b>0.0204</b>	<b>0.2121</b>	<b>0.1076</b>	<b>1.9000e-004</b>	<b>0.0903</b>	<b>0.0110</b>	<b>0.1013</b>	<b>0.0497</b>	<b>0.0101</b>	<b>0.0598</b>	<b>0.0000</b>	<b>16.7153</b>	<b>16.7153</b>	<b>5.4100e-003</b>	<b>0.0000</b>	<b>16.8505</b>

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**3.3 Site Preparation - 2020****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	2.2000e-004	2.2600e-003	1.0000e-005	7.1000e-004	0.0000	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.6262	0.6262	2.0000e-005	0.0000	0.6266
<b>Total</b>	<b>3.0000e-004</b>	<b>2.2000e-004</b>	<b>2.2600e-003</b>	<b>1.0000e-005</b>	<b>7.1000e-004</b>	<b>0.0000</b>	<b>7.2000e-004</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>0.6262</b>	<b>0.6262</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.6266</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0407	0.0000	0.0407	0.0223	0.0000	0.0223	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0204	0.2121	0.1076	1.9000e-004		0.0110	0.0110		0.0101	0.0101	0.0000	16.7153	16.7153	5.4100e-003	0.0000	16.8505
<b>Total</b>	<b>0.0204</b>	<b>0.2121</b>	<b>0.1076</b>	<b>1.9000e-004</b>	<b>0.0407</b>	<b>0.0110</b>	<b>0.0516</b>	<b>0.0223</b>	<b>0.0101</b>	<b>0.0325</b>	<b>0.0000</b>	<b>16.7153</b>	<b>16.7153</b>	<b>5.4100e-003</b>	<b>0.0000</b>	<b>16.8505</b>

## North Campus School Construction and Operations - Contra Costa County, Annual

**3.3 Site Preparation - 2020****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	2.2000e-004	2.2600e-003	1.0000e-005	7.1000e-004	0.0000	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.6262	0.6262	2.0000e-005	0.0000	0.6266
<b>Total</b>	<b>3.0000e-004</b>	<b>2.2000e-004</b>	<b>2.2600e-003</b>	<b>1.0000e-005</b>	<b>7.1000e-004</b>	<b>0.0000</b>	<b>7.2000e-004</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>0.6262</b>	<b>0.6262</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.6266</b>

**3.4 Grading - 2020****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0657	0.0000	0.0657	0.0337	0.0000	0.0337	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0243	0.2639	0.1605	3.0000e-004		0.0127	0.0127		0.0117	0.0117	0.0000	26.0588	26.0588	8.4300e-003	0.0000	26.2694
<b>Total</b>	<b>0.0243</b>	<b>0.2639</b>	<b>0.1605</b>	<b>3.0000e-004</b>	<b>0.0657</b>	<b>0.0127</b>	<b>0.0784</b>	<b>0.0337</b>	<b>0.0117</b>	<b>0.0454</b>	<b>0.0000</b>	<b>26.0588</b>	<b>26.0588</b>	<b>8.4300e-003</b>	<b>0.0000</b>	<b>26.2694</b>

## North Campus School Construction and Operations - Contra Costa County, Annual

**3.4 Grading - 2020****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.1500e-003	0.0403	7.5900e-003	1.1000e-004	2.3500e-003	1.3000e-004	2.4900e-003	6.5000e-004	1.3000e-004	7.7000e-004	0.0000	10.5401	10.5401	4.7000e-004	0.0000	10.5518
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-004	3.6000e-004	3.7700e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.0437	1.0437	3.0000e-005	0.0000	1.0443
<b>Total</b>	<b>1.6500e-003</b>	<b>0.0407</b>	<b>0.0114</b>	<b>1.2000e-004</b>	<b>3.5400e-003</b>	<b>1.4000e-004</b>	<b>3.6900e-003</b>	<b>9.7000e-004</b>	<b>1.4000e-004</b>	<b>1.0900e-003</b>	<b>0.0000</b>	<b>11.5838</b>	<b>11.5838</b>	<b>5.0000e-004</b>	<b>0.0000</b>	<b>11.5961</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0295	0.0000	0.0295	0.0152	0.0000	0.0152	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0243	0.2639	0.1605	3.0000e-004		0.0127	0.0127		0.0117	0.0117	0.0000	26.0587	26.0587	8.4300e-003	0.0000	26.2694
<b>Total</b>	<b>0.0243</b>	<b>0.2639</b>	<b>0.1605</b>	<b>3.0000e-004</b>	<b>0.0295</b>	<b>0.0127</b>	<b>0.0423</b>	<b>0.0152</b>	<b>0.0117</b>	<b>0.0269</b>	<b>0.0000</b>	<b>26.0587</b>	<b>26.0587</b>	<b>8.4300e-003</b>	<b>0.0000</b>	<b>26.2694</b>



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**3.4 Grading - 2020****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.1500e-003	0.0403	7.5900e-003	1.1000e-004	2.3500e-003	1.3000e-004	2.4900e-003	6.5000e-004	1.3000e-004	7.7000e-004	0.0000	10.5401	10.5401	4.7000e-004	0.0000	10.5518
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-004	3.6000e-004	3.7700e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.0437	1.0437	3.0000e-005	0.0000	1.0443
<b>Total</b>	<b>1.6500e-003</b>	<b>0.0407</b>	<b>0.0114</b>	<b>1.2000e-004</b>	<b>3.5400e-003</b>	<b>1.4000e-004</b>	<b>3.6900e-003</b>	<b>9.7000e-004</b>	<b>1.4000e-004</b>	<b>1.0900e-003</b>	<b>0.0000</b>	<b>11.5838</b>	<b>11.5838</b>	<b>5.0000e-004</b>	<b>0.0000</b>	<b>11.5961</b>

**3.5 Building Construction - 2020****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0961	0.8823	0.7982	1.2700e-003		0.0503	0.0503		0.0473	0.0473	0.0000	109.5932	109.5932	0.0273	0.0000	110.2746
<b>Total</b>	<b>0.0961</b>	<b>0.8823</b>	<b>0.7982</b>	<b>1.2700e-003</b>		<b>0.0503</b>	<b>0.0503</b>		<b>0.0473</b>	<b>0.0473</b>	<b>0.0000</b>	<b>109.5932</b>	<b>109.5932</b>	<b>0.0273</b>	<b>0.0000</b>	<b>110.2746</b>

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**3.5 Building Construction - 2020****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.1000e-003	0.1174	0.0302	2.8000e-004	6.7300e-003	6.0000e-004	7.3300e-003	1.9500e-003	5.7000e-004	2.5200e-003	0.0000	26.6982	26.6982	1.3100e-003	0.0000	26.7310
Worker	8.9600e-003	6.4800e-003	0.0671	2.1000e-004	0.0212	1.4000e-004	0.0213	5.6300e-003	1.3000e-004	5.7600e-003	0.0000	18.5776	18.5776	4.6000e-004	0.0000	18.5890
<b>Total</b>	<b>0.0131</b>	<b>0.1239</b>	<b>0.0973</b>	<b>4.9000e-004</b>	<b>0.0279</b>	<b>7.4000e-004</b>	<b>0.0287</b>	<b>7.5800e-003</b>	<b>7.0000e-004</b>	<b>8.2800e-003</b>	<b>0.0000</b>	<b>45.2759</b>	<b>45.2759</b>	<b>1.7700e-003</b>	<b>0.0000</b>	<b>45.3200</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0961	0.8823	0.7982	1.2700e-003		0.0503	0.0503		0.0473	0.0473	0.0000	109.5931	109.5931	0.0273	0.0000	110.2745
<b>Total</b>	<b>0.0961</b>	<b>0.8823</b>	<b>0.7982</b>	<b>1.2700e-003</b>		<b>0.0503</b>	<b>0.0503</b>		<b>0.0473</b>	<b>0.0473</b>	<b>0.0000</b>	<b>109.5931</b>	<b>109.5931</b>	<b>0.0273</b>	<b>0.0000</b>	<b>110.2745</b>

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**3.5 Building Construction - 2020****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.1000e-003	0.1174	0.0302	2.8000e-004	6.7300e-003	6.0000e-004	7.3300e-003	1.9500e-003	5.7000e-004	2.5200e-003	0.0000	26.6982	26.6982	1.3100e-003	0.0000	26.7310
Worker	8.9600e-003	6.4800e-003	0.0671	2.1000e-004	0.0212	1.4000e-004	0.0213	5.6300e-003	1.3000e-004	5.7600e-003	0.0000	18.5776	18.5776	4.6000e-004	0.0000	18.5890
<b>Total</b>	<b>0.0131</b>	<b>0.1239</b>	<b>0.0973</b>	<b>4.9000e-004</b>	<b>0.0279</b>	<b>7.4000e-004</b>	<b>0.0287</b>	<b>7.5800e-003</b>	<b>7.0000e-004</b>	<b>8.2800e-003</b>	<b>0.0000</b>	<b>45.2759</b>	<b>45.2759</b>	<b>1.7700e-003</b>	<b>0.0000</b>	<b>45.3200</b>

**3.5 Building Construction - 2021****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1366	1.2711	1.2452	2.0200e-003		0.0684	0.0684		0.0643	0.0643	0.0000	173.6445	173.6445	0.0427	0.0000	174.7131
<b>Total</b>	<b>0.1366</b>	<b>1.2711</b>	<b>1.2452</b>	<b>2.0200e-003</b>		<b>0.0684</b>	<b>0.0684</b>		<b>0.0643</b>	<b>0.0643</b>	<b>0.0000</b>	<b>173.6445</b>	<b>173.6445</b>	<b>0.0427</b>	<b>0.0000</b>	<b>174.7131</b>

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**3.5 Building Construction - 2021****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.3000e-003	0.1676	0.0426	4.4000e-004	0.0107	3.8000e-004	0.0110	3.0800e-003	3.6000e-004	3.4400e-003	0.0000	41.9165	41.9165	1.9500e-003	0.0000	41.9652
Worker	0.0131	9.1600e-003	0.0969	3.1000e-004	0.0336	2.2000e-004	0.0338	8.9200e-003	2.0000e-004	9.1200e-003	0.0000	28.3885	28.3885	6.4000e-004	0.0000	28.4047
<b>Total</b>	<b>0.0184</b>	<b>0.1768</b>	<b>0.1395</b>	<b>7.5000e-004</b>	<b>0.0442</b>	<b>6.0000e-004</b>	<b>0.0448</b>	<b>0.0120</b>	<b>5.6000e-004</b>	<b>0.0126</b>	<b>0.0000</b>	<b>70.3051</b>	<b>70.3051</b>	<b>2.5900e-003</b>	<b>0.0000</b>	<b>70.3698</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1366	1.2711	1.2452	2.0200e-003		0.0684	0.0684		0.0643	0.0643	0.0000	173.6443	173.6443	0.0427	0.0000	174.7128
<b>Total</b>	<b>0.1366</b>	<b>1.2711</b>	<b>1.2452</b>	<b>2.0200e-003</b>		<b>0.0684</b>	<b>0.0684</b>		<b>0.0643</b>	<b>0.0643</b>	<b>0.0000</b>	<b>173.6443</b>	<b>173.6443</b>	<b>0.0427</b>	<b>0.0000</b>	<b>174.7128</b>

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**3.5 Building Construction - 2021****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.3000e-003	0.1676	0.0426	4.4000e-004	0.0107	3.8000e-004	0.0110	3.0800e-003	3.6000e-004	3.4400e-003	0.0000	41.9165	41.9165	1.9500e-003	0.0000	41.9652
Worker	0.0131	9.1600e-003	0.0969	3.1000e-004	0.0336	2.2000e-004	0.0338	8.9200e-003	2.0000e-004	9.1200e-003	0.0000	28.3885	28.3885	6.4000e-004	0.0000	28.4047
<b>Total</b>	<b>0.0184</b>	<b>0.1768</b>	<b>0.1395</b>	<b>7.5000e-004</b>	<b>0.0442</b>	<b>6.0000e-004</b>	<b>0.0448</b>	<b>0.0120</b>	<b>5.6000e-004</b>	<b>0.0126</b>	<b>0.0000</b>	<b>70.3051</b>	<b>70.3051</b>	<b>2.5900e-003</b>	<b>0.0000</b>	<b>70.3698</b>

**3.6 Paving - 2021****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0186	0.1821	0.1828	3.6000e-004		8.7200e-003	8.7200e-003		8.0200e-003	8.0200e-003	0.0000	31.6800	31.6800	0.0103	0.0000	31.9362
Paving	1.0600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0197</b>	<b>0.1821</b>	<b>0.1828</b>	<b>3.6000e-004</b>		<b>8.7200e-003</b>	<b>8.7200e-003</b>		<b>8.0200e-003</b>	<b>8.0200e-003</b>	<b>0.0000</b>	<b>31.6800</b>	<b>31.6800</b>	<b>0.0103</b>	<b>0.0000</b>	<b>31.9362</b>

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**3.6 Paving - 2021****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.6000e-004	3.9000e-004	4.1200e-003	1.0000e-005	1.4300e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.2080	1.2080	3.0000e-005	0.0000	1.2087
<b>Total</b>	<b>5.6000e-004</b>	<b>3.9000e-004</b>	<b>4.1200e-003</b>	<b>1.0000e-005</b>	<b>1.4300e-003</b>	<b>1.0000e-005</b>	<b>1.4400e-003</b>	<b>3.8000e-004</b>	<b>1.0000e-005</b>	<b>3.9000e-004</b>	<b>0.0000</b>	<b>1.2080</b>	<b>1.2080</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.2087</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0186	0.1821	0.1828	3.6000e-004		8.7200e-003	8.7200e-003		8.0200e-003	8.0200e-003	0.0000	31.6800	31.6800	0.0103	0.0000	31.9362
Paving	1.0600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0197</b>	<b>0.1821</b>	<b>0.1828</b>	<b>3.6000e-004</b>		<b>8.7200e-003</b>	<b>8.7200e-003</b>		<b>8.0200e-003</b>	<b>8.0200e-003</b>	<b>0.0000</b>	<b>31.6800</b>	<b>31.6800</b>	<b>0.0103</b>	<b>0.0000</b>	<b>31.9362</b>

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**3.6 Paving - 2021****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.6000e-004	3.9000e-004	4.1200e-003	1.0000e-005	1.4300e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.2080	1.2080	3.0000e-005	0.0000	1.2087
<b>Total</b>	<b>5.6000e-004</b>	<b>3.9000e-004</b>	<b>4.1200e-003</b>	<b>1.0000e-005</b>	<b>1.4300e-003</b>	<b>1.0000e-005</b>	<b>1.4400e-003</b>	<b>3.8000e-004</b>	<b>1.0000e-005</b>	<b>3.9000e-004</b>	<b>0.0000</b>	<b>1.2080</b>	<b>1.2080</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.2087</b>

**3.7 Architectural Coating - 2021****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5592					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1900e-003	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004	0.0000	2.5533	2.5533	1.8000e-004	0.0000	2.5576
<b>Total</b>	<b>0.5614</b>	<b>0.0153</b>	<b>0.0182</b>	<b>3.0000e-005</b>		<b>9.4000e-004</b>	<b>9.4000e-004</b>		<b>9.4000e-004</b>	<b>9.4000e-004</b>	<b>0.0000</b>	<b>2.5533</b>	<b>2.5533</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>2.5576</b>

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**3.7 Architectural Coating - 2021****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7000e-004	2.6000e-004	2.7500e-003	1.0000e-005	9.5000e-004	1.0000e-005	9.6000e-004	2.5000e-004	1.0000e-005	2.6000e-004	0.0000	0.8054	0.8054	2.0000e-005	0.0000	0.8058
<b>Total</b>	<b>3.7000e-004</b>	<b>2.6000e-004</b>	<b>2.7500e-003</b>	<b>1.0000e-005</b>	<b>9.5000e-004</b>	<b>1.0000e-005</b>	<b>9.6000e-004</b>	<b>2.5000e-004</b>	<b>1.0000e-005</b>	<b>2.6000e-004</b>	<b>0.0000</b>	<b>0.8054</b>	<b>0.8054</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.8058</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5592					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1900e-003	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004	0.0000	2.5533	2.5533	1.8000e-004	0.0000	2.5576
<b>Total</b>	<b>0.5614</b>	<b>0.0153</b>	<b>0.0182</b>	<b>3.0000e-005</b>		<b>9.4000e-004</b>	<b>9.4000e-004</b>		<b>9.4000e-004</b>	<b>9.4000e-004</b>	<b>0.0000</b>	<b>2.5533</b>	<b>2.5533</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>2.5576</b>



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**3.7 Architectural Coating - 2021****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7000e-004	2.6000e-004	2.7500e-003	1.0000e-005	9.5000e-004	1.0000e-005	9.6000e-004	2.5000e-004	1.0000e-005	2.6000e-004	0.0000	0.8054	0.8054	2.0000e-005	0.0000	0.8058
<b>Total</b>	<b>3.7000e-004</b>	<b>2.6000e-004</b>	<b>2.7500e-003</b>	<b>1.0000e-005</b>	<b>9.5000e-004</b>	<b>1.0000e-005</b>	<b>9.6000e-004</b>	<b>2.5000e-004</b>	<b>1.0000e-005</b>	<b>2.6000e-004</b>	<b>0.0000</b>	<b>0.8054</b>	<b>0.8054</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.8058</b>

**4.0 Operational Detail - Mobile****4.1 Mitigation Measures Mobile**

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2763	1.2452	3.1037	0.0103	0.8744	8.9400e-003	0.8834	0.2346	8.3700e-003	0.2430	0.0000	938.1804	938.1804	0.0352	0.0000	939.0608
Unmitigated	0.2763	1.2452	3.1037	0.0103	0.8744	8.9400e-003	0.8834	0.2346	8.3700e-003	0.2430	0.0000	938.1804	938.1804	0.0352	0.0000	939.0608

## 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior High School	1,458.00	0.00	0.00	2,341,334	2,341,334
Parking Lot	0.00	0.00	0.00		
Total	1,458.00	0.00	0.00	2,341,334	2,341,334

## 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior High School	9.50	7.30	7.30	72.80	22.20	5.00	63	25	12
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

## 4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior High School	0.582298	0.039109	0.186022	0.123408	0.017184	0.005083	0.010615	0.023794	0.001605	0.001810	0.005454	0.002746	0.000871
Parking Lot	0.582298	0.039109	0.186022	0.123408	0.017184	0.005083	0.010615	0.023794	0.001605	0.001810	0.005454	0.002746	0.000871

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**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	64.3279	64.3279	6.3500e-003	1.3100e-003	64.8777
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	64.3279	64.3279	6.3500e-003	1.3100e-003	64.8777
NaturalGas Mitigated	9.4000e-003	0.0854	0.0718	5.1000e-004		6.4900e-003	6.4900e-003		6.4900e-003	6.4900e-003	0.0000	92.9927	92.9927	1.7800e-003	1.7000e-003	93.5453
NaturalGas Unmitigated	9.4000e-003	0.0854	0.0718	5.1000e-004		6.4900e-003	6.4900e-003		6.4900e-003	6.4900e-003	0.0000	92.9927	92.9927	1.7800e-003	1.7000e-003	93.5453

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**5.2 Energy by Land Use - NaturalGas****Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior High School	1.74262e+006	9.4000e-003	0.0854	0.0718	5.1000e-004		6.4900e-003	6.4900e-003		6.4900e-003	6.4900e-003	0.0000	92.9927	92.9927	1.7800e-003	1.7000e-003	93.5453
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>9.4000e-003</b>	<b>0.0854</b>	<b>0.0718</b>	<b>5.1000e-004</b>		<b>6.4900e-003</b>	<b>6.4900e-003</b>		<b>6.4900e-003</b>	<b>6.4900e-003</b>	<b>0.0000</b>	<b>92.9927</b>	<b>92.9927</b>	<b>1.7800e-003</b>	<b>1.7000e-003</b>	<b>93.5453</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior High School	1.74262e+006	9.4000e-003	0.0854	0.0718	5.1000e-004		6.4900e-003	6.4900e-003		6.4900e-003	6.4900e-003	0.0000	92.9927	92.9927	1.7800e-003	1.7000e-003	93.5453
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>9.4000e-003</b>	<b>0.0854</b>	<b>0.0718</b>	<b>5.1000e-004</b>		<b>6.4900e-003</b>	<b>6.4900e-003</b>		<b>6.4900e-003</b>	<b>6.4900e-003</b>	<b>0.0000</b>	<b>92.9927</b>	<b>92.9927</b>	<b>1.7800e-003</b>	<b>1.7000e-003</b>	<b>93.5453</b>

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**5.3 Energy by Land Use - Electricity****Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior High School	469777	62.6476	6.1800e-003	1.2800e-003	63.1831
Parking Lot	12600	1.6803	1.7000e-004	3.0000e-005	1.6947
<b>Total</b>		<b>64.3279</b>	<b>6.3500e-003</b>	<b>1.3100e-003</b>	<b>64.8777</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior High School	469777	62.6476	6.1800e-003	1.2800e-003	63.1831
Parking Lot	12600	1.6803	1.7000e-004	3.0000e-005	1.6947
<b>Total</b>		<b>64.3279</b>	<b>6.3500e-003</b>	<b>1.3100e-003</b>	<b>64.8777</b>

**6.0 Area Detail****6.1 Mitigation Measures Area**

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.4723	8.0000e-005	9.1300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0177	0.0177	5.0000e-005	0.0000	0.0189
Unmitigated	0.4723	8.0000e-005	9.1300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0177	0.0177	5.0000e-005	0.0000	0.0189

## 6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0559					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4156					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.5000e-004	8.0000e-005	9.1300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0177	0.0177	5.0000e-005	0.0000	0.0189
<b>Total</b>	<b>0.4723</b>	<b>8.0000e-005</b>	<b>9.1300e-003</b>	<b>0.0000</b>		<b>3.0000e-005</b>	<b>3.0000e-005</b>		<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0177</b>	<b>0.0177</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>0.0189</b>

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**6.2 Area by SubCategory****Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0559					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4156					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.5000e-004	8.0000e-005	9.1300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0177	0.0177	5.0000e-005	0.0000	0.0189
<b>Total</b>	<b>0.4723</b>	<b>8.0000e-005</b>	<b>9.1300e-003</b>	<b>0.0000</b>		<b>3.0000e-005</b>	<b>3.0000e-005</b>		<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0177</b>	<b>0.0177</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>0.0189</b>

**7.0 Water Detail****7.1 Mitigation Measures Water**

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	4.8852	0.0715	1.7600e-003	7.1987
Unmitigated	4.8852	0.0715	1.7600e-003	7.1987

## 7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior High School	2.18182 / 5.61038	4.8852	0.0715	1.7600e-003	7.1987
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>4.8852</b>	<b>0.0715</b>	<b>1.7600e-003</b>	<b>7.1987</b>



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**7.2 Water by Land Use****Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior High School	2.18182 / 5.61038	4.8852	0.0715	1.7600e-003	7.1987
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>4.8852</b>	<b>0.0715</b>	<b>1.7600e-003</b>	<b>7.1987</b>

**8.0 Waste Detail****8.1 Mitigation Measures Waste****Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	33.3413	1.9704	0.0000	82.6016
Unmitigated	33.3413	1.9704	0.0000	82.6016

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**8.2 Waste by Land Use****Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior High School	164.25	33.3413	1.9704	0.0000	82.6016
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>33.3413</b>	<b>1.9704</b>	<b>0.0000</b>	<b>82.6016</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior High School	164.25	33.3413	1.9704	0.0000	82.6016
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>33.3413</b>	<b>1.9704</b>	<b>0.0000</b>	<b>82.6016</b>

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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## North Campus School Construction and Operations - Contra Costa County, Annual

**10.0 Stationary Equipment**

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**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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## North Campus School Existing Operations - Contra Costa County, Annual

## North Campus School Existing Operations Contra Costa County, Annual

### 1.0 Project Characteristics

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#### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior High School	39.96	1000sqft	0.92	39,960.00	0

#### 1.2 Other Project Characteristics

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	5			<b>Operational Year</b>	2019
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	294	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

#### 1.3 User Entered Comments & Non-Default Data

Project Characteristics - PG&E 2016 CO2 intensity per 2018 CRSR

Land Use - Existing site conditions based on 39,960 sq.ft. main building.

Construction Phase - Operations only run for existing conditions.

Off-road Equipment - Operations only run for existing conditions.

Off-road Equipment - Operations only run for existing conditions.

Trips and VMT - Operations only run for existing conditions.

Architectural Coating - Operations only run for existing conditions.

Vehicle Trips - Trip rate based on 120 staff under existing conditions.

Energy Use -

## North Campus School Existing Operations - Contra Costa County, Annual

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	19,980.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	59,940.00	0.00
tblConstructionPhase	NumDays	5.00	1.00
tblConstructionPhase	PhaseEndDate	10/22/2019	10/16/2019
tblGrading	AcresOfGrading	0.00	0.50
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	294
tblTripsAndVMT	WorkerTripNumber	3.00	0.00
tblVehicleTrips	WD_TR	13.78	6.00

## 2.0 Emissions Summary

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North Campus School Existing Operations - Contra Costa County, Annual

## 2.1 Overall Construction

### Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.0000	0.0000	0.0000	0.0000	2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

### Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.0000	0.0000	0.0000	0.0000	2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

[illegible]

## North Campus School Existing Operations - Contra Costa County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1769	0.0000	3.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.1000e-004	7.1000e-004	0.0000	0.0000	7.6000e-004
Energy	3.5500e-003	0.0323	0.0271	1.9000e-004		2.4500e-003	2.4500e-003		2.4500e-003	2.4500e-003	0.0000	58.7813	58.7813	3.0100e-003	1.1300e-003	59.1922
Mobile	0.0542	0.2391	0.6117	1.7900e-003	0.1438	2.0000e-003	0.1458	0.0386	1.8800e-003	0.0405	0.0000	163.4427	163.4427	6.7200e-003	0.0000	163.6108
Waste						0.0000	0.0000		0.0000	0.0000	10.5454	0.0000	10.5454	0.6232	0.0000	26.1257
Water						0.0000	0.0000		0.0000	0.0000	0.2614	1.5836	1.8450	0.0270	6.7000e-004	2.7187
<b>Total</b>	<b>0.2347</b>	<b>0.2714</b>	<b>0.6392</b>	<b>1.9800e-003</b>	<b>0.1438</b>	<b>4.4500e-003</b>	<b>0.1483</b>	<b>0.0386</b>	<b>4.3300e-003</b>	<b>0.0429</b>	<b>10.8068</b>	<b>223.8083</b>	<b>234.6151</b>	<b>0.6600</b>	<b>1.8000e-003</b>	<b>251.6482</b>

## North Campus School Existing Operations - Contra Costa County, Annual

**2.2 Overall Operational****Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1769	0.0000	3.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.1000e-004	7.1000e-004	0.0000	0.0000	7.6000e-004
Energy	3.5500e-003	0.0323	0.0271	1.9000e-004		2.4500e-003	2.4500e-003		2.4500e-003	2.4500e-003	0.0000	58.7813	58.7813	3.0100e-003	1.1300e-003	59.1922
Mobile	0.0542	0.2391	0.6117	1.7900e-003	0.1438	2.0000e-003	0.1458	0.0386	1.8800e-003	0.0405	0.0000	163.4427	163.4427	6.7200e-003	0.0000	163.6108
Waste						0.0000	0.0000		0.0000	0.0000	10.5454	0.0000	10.5454	0.6232	0.0000	26.1257
Water						0.0000	0.0000		0.0000	0.0000	0.2614	1.5836	1.8450	0.0270	6.7000e-004	2.7187
<b>Total</b>	<b>0.2347</b>	<b>0.2714</b>	<b>0.6392</b>	<b>1.9800e-003</b>	<b>0.1438</b>	<b>4.4500e-003</b>	<b>0.1483</b>	<b>0.0386</b>	<b>4.3300e-003</b>	<b>0.0429</b>	<b>10.8068</b>	<b>223.8083</b>	<b>234.6151</b>	<b>0.6600</b>	<b>1.8000e-003</b>	<b>251.6482</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

**3.0 Construction Detail****Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	5/17/2019	5/17/2019	5	1	
2	Architectural Coating	Architectural Coating	10/16/2019	10/16/2019	5	1	



## North Campus School Existing Operations - Contra Costa County, Annual

**Acres of Grading (Site Preparation Phase): 0.5****Acres of Grading (Grading Phase): 0****Acres of Paving: 0****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	0.00	78	0.48
Site Preparation	Graders	0	0.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	0	0.00	97	0.37

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

North Campus School Existing Operations - Contra Costa County, Annual

### 3.2 Site Preparation - 2019

### Unmitigated Construction On-Site

[illegible]

### Unmitigated Construction Off-Site

[illegible]

North Campus School Existing Operations - Contra Costa County, Annual

### 3.2 Site Preparation - 2019

### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

### Mitigated Construction Off-Site

[illegible]

North Campus School Existing Operations - Contra Costa County, Annual

### 3.3 Architectural Coating - 2019

### Unmitigated Construction On-Site

[illegible]

### Unmitigated Construction Off-Site

[illegible]

## North Campus School Existing Operations - Contra Costa County, Annual

**3.3 Architectural Coating - 2019****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**4.0 Operational Detail - Mobile**

## North Campus School Existing Operations - Contra Costa County, Annual

## 4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0542	0.2391	0.6117	1.7900e-003	0.1438	2.0000e-003	0.1458	0.0386	1.8800e-003	0.0405	0.0000	163.4427	163.4427	6.7200e-003	0.0000	163.6108
Unmitigated	0.0542	0.2391	0.6117	1.7900e-003	0.1438	2.0000e-003	0.1458	0.0386	1.8800e-003	0.0405	0.0000	163.4427	163.4427	6.7200e-003	0.0000	163.6108

## 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior High School	239.76	0.00	0.00	385,019	385,019
Total	239.76	0.00	0.00	385,019	385,019

## 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior High School	9.50	7.30	7.30	72.80	22.20	5.00	63	25	12

## 4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior High School	0.571348	0.041302	0.187452	0.129481	0.019048	0.005152	0.010609	0.022861	0.001566	0.001884	0.005572	0.002772	0.000953

## North Campus School Existing Operations - Contra Costa County, Annual

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	23.6604	23.6604	2.3300e-003	4.8000e-004	23.8626
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	23.6604	23.6604	2.3300e-003	4.8000e-004	23.8626
NaturalGas Mitigated	3.5500e-003	0.0323	0.0271	1.9000e-004		2.4500e-003	2.4500e-003		2.4500e-003	2.4500e-003	0.0000	35.1209	35.1209	6.7000e-004	6.4000e-004	35.3296
NaturalGas Unmitigated	3.5500e-003	0.0323	0.0271	1.9000e-004		2.4500e-003	2.4500e-003		2.4500e-003	2.4500e-003	0.0000	35.1209	35.1209	6.7000e-004	6.4000e-004	35.3296

## North Campus School Existing Operations - Contra Costa County, Annual

**5.2 Energy by Land Use - NaturalGas****Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior High School	658141	3.5500e-003	0.0323	0.0271	1.9000e-004		2.4500e-003	2.4500e-003		2.4500e-003	2.4500e-003	0.0000	35.1209	35.1209	6.7000e-004	6.4000e-004	35.3296
<b>Total</b>		<b>3.5500e-003</b>	<b>0.0323</b>	<b>0.0271</b>	<b>1.9000e-004</b>		<b>2.4500e-003</b>	<b>2.4500e-003</b>		<b>2.4500e-003</b>	<b>2.4500e-003</b>	<b>0.0000</b>	<b>35.1209</b>	<b>35.1209</b>	<b>6.7000e-004</b>	<b>6.4000e-004</b>	<b>35.3296</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior High School	658141	3.5500e-003	0.0323	0.0271	1.9000e-004		2.4500e-003	2.4500e-003		2.4500e-003	2.4500e-003	0.0000	35.1209	35.1209	6.7000e-004	6.4000e-004	35.3296
<b>Total</b>		<b>3.5500e-003</b>	<b>0.0323</b>	<b>0.0271</b>	<b>1.9000e-004</b>		<b>2.4500e-003</b>	<b>2.4500e-003</b>		<b>2.4500e-003</b>	<b>2.4500e-003</b>	<b>0.0000</b>	<b>35.1209</b>	<b>35.1209</b>	<b>6.7000e-004</b>	<b>6.4000e-004</b>	<b>35.3296</b>



## North Campus School Existing Operations - Contra Costa County, Annual

**5.3 Energy by Land Use - Electricity****Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior High School	177422	23.6604	2.3300e-003	4.8000e-004	23.8626
<b>Total</b>		<b>23.6604</b>	<b>2.3300e-003</b>	<b>4.8000e-004</b>	<b>23.8626</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior High School	177422	23.6604	2.3300e-003	4.8000e-004	23.8626
<b>Total</b>		<b>23.6604</b>	<b>2.3300e-003</b>	<b>4.8000e-004</b>	<b>23.8626</b>

**6.0 Area Detail****6.1 Mitigation Measures Area**

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1769	0.0000	3.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.1000e-004	7.1000e-004	0.0000	0.0000	7.6000e-004
Unmitigated	0.1769	0.0000	3.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.1000e-004	7.1000e-004	0.0000	0.0000	7.6000e-004

## 6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0208					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1561					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.0000e-005	0.0000	3.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.1000e-004	7.1000e-004	0.0000	0.0000	7.6000e-004
<b>Total</b>	<b>0.1769</b>	<b>0.0000</b>	<b>3.7000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>7.1000e-004</b>	<b>7.1000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>7.6000e-004</b>

## North Campus School Existing Operations - Contra Costa County, Annual

**6.2 Area by SubCategory****Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0208					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1561					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.0000e-005	0.0000	3.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.1000e-004	7.1000e-004	0.0000	0.0000	7.6000e-004
<b>Total</b>	<b>0.1769</b>	<b>0.0000</b>	<b>3.7000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>7.1000e-004</b>	<b>7.1000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>7.6000e-004</b>

**7.0 Water Detail****7.1 Mitigation Measures Water**

## North Campus School Existing Operations - Contra Costa County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	1.8450	0.0270	6.7000e-004	2.7187
Unmitigated	1.8450	0.0270	6.7000e-004	2.7187

## 7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior High School	0.824015 / 2.1189	1.8450	0.0270	6.7000e-004	2.7187
<b>Total</b>		<b>1.8450</b>	<b>0.0270</b>	<b>6.7000e-004</b>	<b>2.7187</b>

## North Campus School Existing Operations - Contra Costa County, Annual

**7.2 Water by Land Use****Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior High School	0.824015 / 2.1189	1.8450	0.0270	6.7000e-004	2.7187
<b>Total</b>		<b>1.8450</b>	<b>0.0270</b>	<b>6.7000e-004</b>	<b>2.7187</b>

**8.0 Waste Detail****8.1 Mitigation Measures Waste****Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	10.5454	0.6232	0.0000	26.1257
Unmitigated	10.5454	0.6232	0.0000	26.1257

## North Campus School Existing Operations - Contra Costa County, Annual

**8.2 Waste by Land Use****Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior High School	51.95	10.5454	0.6232	0.0000	26.1257
<b>Total</b>		<b>10.5454</b>	<b>0.6232</b>	<b>0.0000</b>	<b>26.1257</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior High School	51.95	10.5454	0.6232	0.0000	26.1257
<b>Total</b>		<b>10.5454</b>	<b>0.6232</b>	<b>0.0000</b>	<b>26.1257</b>

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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## North Campus School Existing Operations - Contra Costa County, Annual

**10.0 Stationary Equipment**

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**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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## North Campus School Existing Operations - Contra Costa County, Summer

## North Campus School Existing Operations Contra Costa County, Summer

### 1.0 Project Characteristics

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#### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior High School	39.96	1000sqft	0.92	39,960.00	0

#### 1.2 Other Project Characteristics

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	5			<b>Operational Year</b>	2019
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	294	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

#### 1.3 User Entered Comments & Non-Default Data

Project Characteristics - PG&E 2016 CO2 intensity per 2018 CRSR

Land Use - Existing site conditions based on 39,960 sq.ft. main building.

Construction Phase - Operations only run for existing conditions.

Off-road Equipment - Operations only run for existing conditions.

Off-road Equipment - Operations only run for existing conditions.

Trips and VMT - Operations only run for existing conditions.

Architectural Coating - Operations only run for existing conditions.

Vehicle Trips - Trip rate based on 120 staff under existing conditions.

Energy Use -



## North Campus School Existing Operations - Contra Costa County, Summer

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	19,980.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	59,940.00	0.00
tblConstructionPhase	NumDays	5.00	1.00
tblConstructionPhase	PhaseEndDate	10/22/2019	10/16/2019
tblGrading	AcresOfGrading	0.00	0.50
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	294
tblTripsAndVMT	WorkerTripNumber	3.00	0.00
tblVehicleTrips	WD_TR	13.78	6.00

## 2.0 Emissions Summary

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## North Campus School Existing Operations - Contra Costa County, Summer

## 2.1 Overall Construction (Maximum Daily Emission)

### Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	0.0000	0.0000	0.0000	0.0000	0.5303	0.0000	0.5303	0.0573	0.0000	0.0573	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.5303	0.0000	0.5303	0.0573	0.0000	0.0573	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

### Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	0.0000	0.0000	0.0000	0.0000	0.5303	0.0000	0.5303	0.0573	0.0000	0.0573	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.5303	0.0000	0.5303	0.0573	0.0000	0.0573	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

[illegible]

## North Campus School Existing Operations - Contra Costa County, Summer

**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.9697	4.0000e-005	4.1200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3400e-003
Energy	0.0195	0.1768	0.1485	1.0600e-003		0.0134	0.0134		0.0134	0.0134		212.1325	212.1325	4.0700e-003	3.8900e-003	213.3931
Mobile	0.4933	1.7770	4.9507	0.0148	1.1453	0.0154	1.1607	0.3065	0.0144	0.3210		1,485.6290	1,485.6290	0.0578		1,487.0733
<b>Total</b>	<b>1.4825</b>	<b>1.9538</b>	<b>5.1033</b>	<b>0.0158</b>	<b>1.1453</b>	<b>0.0288</b>	<b>1.1741</b>	<b>0.3065</b>	<b>0.0279</b>	<b>0.3344</b>		<b>1,697.7703</b>	<b>1,697.7703</b>	<b>0.0619</b>	<b>3.8900e-003</b>	<b>1,700.4758</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.9697	4.0000e-005	4.1200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3400e-003
Energy	0.0195	0.1768	0.1485	1.0600e-003		0.0134	0.0134		0.0134	0.0134		212.1325	212.1325	4.0700e-003	3.8900e-003	213.3931
Mobile	0.4933	1.7770	4.9507	0.0148	1.1453	0.0154	1.1607	0.3065	0.0144	0.3210		1,485.6290	1,485.6290	0.0578		1,487.0733
<b>Total</b>	<b>1.4825</b>	<b>1.9538</b>	<b>5.1033</b>	<b>0.0158</b>	<b>1.1453</b>	<b>0.0288</b>	<b>1.1741</b>	<b>0.3065</b>	<b>0.0279</b>	<b>0.3344</b>		<b>1,697.7703</b>	<b>1,697.7703</b>	<b>0.0619</b>	<b>3.8900e-003</b>	<b>1,700.4758</b>

## North Campus School Existing Operations - Contra Costa County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**3.0 Construction Detail****Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	5/17/2019	5/17/2019	5	1	
2	Architectural Coating	Architectural Coating	10/16/2019	10/16/2019	5	1	

**Acres of Grading (Site Preparation Phase): 0.5****Acres of Grading (Grading Phase): 0****Acres of Paving: 0****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	0.00	78	0.48
Site Preparation	Graders	0	0.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	0	0.00	97	0.37

**Trips and VMT**

## North Campus School Existing Operations - Contra Costa County, Summer

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction****3.2 Site Preparation - 2019****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.5303</b>	<b>0.0000</b>	<b>0.5303</b>	<b>0.0573</b>	<b>0.0000</b>	<b>0.0573</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

## North Campus School Existing Operations - Contra Costa County, Summer

**3.2 Site Preparation - 2019****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.5303</b>	<b>0.0000</b>	<b>0.5303</b>	<b>0.0573</b>	<b>0.0000</b>	<b>0.0573</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

## North Campus School Existing Operations - Contra Costa County, Summer

**3.2 Site Preparation - 2019****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

**3.3 Architectural Coating - 2019****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

## North Campus School Existing Operations - Contra Costa County, Summer

### 3.3 Architectural Coating - 2019

### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

### Mitigated Construction On-Site

[illegible]



## North Campus School Existing Operations - Contra Costa County, Summer

**3.3 Architectural Coating - 2019****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

**4.0 Operational Detail - Mobile****4.1 Mitigation Measures Mobile**

## North Campus School Existing Operations - Contra Costa County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.4933	1.7770	4.9507	0.0148	1.1453	0.0154	1.1607	0.3065	0.0144	0.3210		1,485.6290	1,485.6290	0.0578		1,487.0733
Unmitigated	0.4933	1.7770	4.9507	0.0148	1.1453	0.0154	1.1607	0.3065	0.0144	0.3210		1,485.6290	1,485.6290	0.0578		1,487.0733

## 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior High School	239.76	0.00	0.00	385,019	385,019
Total	239.76	0.00	0.00	385,019	385,019

## 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior High School	9.50	7.30	7.30	72.80	22.20	5.00	63	25	12

## 4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior High School	0.571348	0.041302	0.187452	0.129481	0.019048	0.005152	0.010609	0.022861	0.001566	0.001884	0.005572	0.002772	0.000953

## 5.0 Energy Detail

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Historical Energy Use: N

## North Campus School Existing Operations - Contra Costa County, Summer

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0195	0.1768	0.1485	1.0600e-003		0.0134	0.0134		0.0134	0.0134		212.1325	212.1325	4.0700e-003	3.8900e-003	213.3931
NaturalGas Unmitigated	0.0195	0.1768	0.1485	1.0600e-003		0.0134	0.0134		0.0134	0.0134		212.1325	212.1325	4.0700e-003	3.8900e-003	213.3931

**5.2 Energy by Land Use - NaturalGas****Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior High School	1803.13	0.0195	0.1768	0.1485	1.0600e-003		0.0134	0.0134		0.0134	0.0134		212.1325	212.1325	4.0700e-003	3.8900e-003	213.3931
<b>Total</b>		<b>0.0195</b>	<b>0.1768</b>	<b>0.1485</b>	<b>1.0600e-003</b>		<b>0.0134</b>	<b>0.0134</b>		<b>0.0134</b>	<b>0.0134</b>		<b>212.1325</b>	<b>212.1325</b>	<b>4.0700e-003</b>	<b>3.8900e-003</b>	<b>213.3931</b>

## North Campus School Existing Operations - Contra Costa County, Summer

**5.2 Energy by Land Use - NaturalGas****Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior High School	1.80313	0.0195	0.1768	0.1485	1.0600e-003		0.0134	0.0134		0.0134	0.0134		212.1325	212.1325	4.0700e-003	3.8900e-003	213.3931
<b>Total</b>		<b>0.0195</b>	<b>0.1768</b>	<b>0.1485</b>	<b>1.0600e-003</b>		<b>0.0134</b>	<b>0.0134</b>		<b>0.0134</b>	<b>0.0134</b>		<b>212.1325</b>	<b>212.1325</b>	<b>4.0700e-003</b>	<b>3.8900e-003</b>	<b>213.3931</b>

**6.0 Area Detail****6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.9697	4.0000e-005	4.1200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3400e-003
Unmitigated	0.9697	4.0000e-005	4.1200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3400e-003

## North Campus School Existing Operations - Contra Costa County, Summer

**6.2 Area by SubCategory****Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1142					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8551					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.9000e-004	4.0000e-005	4.1200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3400e-003
<b>Total</b>	<b>0.9697</b>	<b>4.0000e-005</b>	<b>4.1200e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>8.7500e-003</b>	<b>8.7500e-003</b>	<b>2.0000e-005</b>		<b>9.3400e-003</b>

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1142					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8551					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.9000e-004	4.0000e-005	4.1200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3400e-003
<b>Total</b>	<b>0.9697</b>	<b>4.0000e-005</b>	<b>4.1200e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>8.7500e-003</b>	<b>8.7500e-003</b>	<b>2.0000e-005</b>		<b>9.3400e-003</b>

**7.0 Water Detail**

## North Campus School Existing Operations - Contra Costa County, Summer

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**7.1 Mitigation Measures Water**

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**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

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**9.0 Operational Offroad**

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Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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**10.0 Stationary Equipment****Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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## North Campus School Existing Operations - Contra Costa County, Winter

## North Campus School Existing Operations

### Contra Costa County, Winter

## 1.0 Project Characteristics

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### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior High School	39.96	1000sqft	0.92	39,960.00	0

### 1.2 Other Project Characteristics

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	5			<b>Operational Year</b>	2019
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	294	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

### 1.3 User Entered Comments & Non-Default Data

Project Characteristics - PG&E 2016 CO2 intensity per 2018 CRSR

Land Use - Existing site conditions based on 39,960 sq.ft. main building.

Construction Phase - Operations only run for existing conditions.

Off-road Equipment - Operations only run for existing conditions.

Off-road Equipment - Operations only run for existing conditions.

Trips and VMT - Operations only run for existing conditions.

Architectural Coating - Operations only run for existing conditions.

Vehicle Trips - Trip rate based on 120 staff under existing conditions.

Energy Use -

## North Campus School Existing Operations - Contra Costa County, Winter

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	19,980.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	59,940.00	0.00
tblConstructionPhase	NumDays	5.00	1.00
tblConstructionPhase	PhaseEndDate	10/22/2019	10/16/2019
tblGrading	AcresOfGrading	0.00	0.50
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	294
tblTripsAndVMT	WorkerTripNumber	3.00	0.00
tblVehicleTrips	WD_TR	13.78	6.00

## 2.0 Emissions Summary

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## North Campus School Existing Operations - Contra Costa County, Winter

## 2.1 Overall Construction (Maximum Daily Emission)

### Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	0.0000	0.0000	0.0000	0.0000	0.5303	0.0000	0.5303	0.0573	0.0000	0.0573	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.5303	0.0000	0.5303	0.0573	0.0000	0.0573	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

### Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	0.0000	0.0000	0.0000	0.0000	0.5303	0.0000	0.5303	0.0573	0.0000	0.0573	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.5303	0.0000	0.5303	0.0573	0.0000	0.0573	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

[illegible]

## North Campus School Existing Operations - Contra Costa County, Winter

**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.9697	4.0000e-005	4.1200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3400e-003
Energy	0.0195	0.1768	0.1485	1.0600e-003		0.0134	0.0134		0.0134	0.0134		212.1325	212.1325	4.0700e-003	3.8900e-003	213.3931
Mobile	0.4107	1.8840	4.9654	0.0136	1.1453	0.0155	1.1608	0.3065	0.0146	0.3211		1,369.8036	1,369.8036	0.0587		1,371.2709
<b>Total</b>	<b>1.3999</b>	<b>2.0608</b>	<b>5.1180</b>	<b>0.0147</b>	<b>1.1453</b>	<b>0.0290</b>	<b>1.1743</b>	<b>0.3065</b>	<b>0.0280</b>	<b>0.3346</b>		<b>1,581.9449</b>	<b>1,581.9449</b>	<b>0.0628</b>	<b>3.8900e-003</b>	<b>1,584.6734</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.9697	4.0000e-005	4.1200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3400e-003
Energy	0.0195	0.1768	0.1485	1.0600e-003		0.0134	0.0134		0.0134	0.0134		212.1325	212.1325	4.0700e-003	3.8900e-003	213.3931
Mobile	0.4107	1.8840	4.9654	0.0136	1.1453	0.0155	1.1608	0.3065	0.0146	0.3211		1,369.8036	1,369.8036	0.0587		1,371.2709
<b>Total</b>	<b>1.3999</b>	<b>2.0608</b>	<b>5.1180</b>	<b>0.0147</b>	<b>1.1453</b>	<b>0.0290</b>	<b>1.1743</b>	<b>0.3065</b>	<b>0.0280</b>	<b>0.3346</b>		<b>1,581.9449</b>	<b>1,581.9449</b>	<b>0.0628</b>	<b>3.8900e-003</b>	<b>1,584.6734</b>

## North Campus School Existing Operations - Contra Costa County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**3.0 Construction Detail****Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	5/17/2019	5/17/2019	5	1	
2	Architectural Coating	Architectural Coating	10/16/2019	10/16/2019	5	1	

**Acres of Grading (Site Preparation Phase): 0.5****Acres of Grading (Grading Phase): 0****Acres of Paving: 0****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	0.00	78	0.48
Site Preparation	Graders	0	0.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	0	0.00	97	0.37

**Trips and VMT**

## North Campus School Existing Operations - Contra Costa County, Winter

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction****3.2 Site Preparation - 2019****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.5303</b>	<b>0.0000</b>	<b>0.5303</b>	<b>0.0573</b>	<b>0.0000</b>	<b>0.0573</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

## North Campus School Existing Operations - Contra Costa County, Winter

**3.2 Site Preparation - 2019****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.5303</b>	<b>0.0000</b>	<b>0.5303</b>	<b>0.0573</b>	<b>0.0000</b>	<b>0.0573</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

## North Campus School Existing Operations - Contra Costa County, Winter

**3.2 Site Preparation - 2019****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

**3.3 Architectural Coating - 2019****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

## North Campus School Existing Operations - Contra Costa County, Winter

### 3.3 Architectural Coating - 2019

### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

### Mitigated Construction On-Site

[illegible]

## North Campus School Existing Operations - Contra Costa County, Winter

**3.3 Architectural Coating - 2019****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

**4.0 Operational Detail - Mobile****4.1 Mitigation Measures Mobile**



## North Campus School Existing Operations - Contra Costa County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.4107	1.8840	4.9654	0.0136	1.1453	0.0155	1.1608	0.3065	0.0146	0.3211		1,369.8036	1,369.8036	0.0587		1,371.2709
Unmitigated	0.4107	1.8840	4.9654	0.0136	1.1453	0.0155	1.1608	0.3065	0.0146	0.3211		1,369.8036	1,369.8036	0.0587		1,371.2709

## 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior High School	239.76	0.00	0.00	385,019	385,019
Total	239.76	0.00	0.00	385,019	385,019

## 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior High School	9.50	7.30	7.30	72.80	22.20	5.00	63	25	12

## 4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior High School	0.571348	0.041302	0.187452	0.129481	0.019048	0.005152	0.010609	0.022861	0.001566	0.001884	0.005572	0.002772	0.000953

## 5.0 Energy Detail

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Historical Energy Use: N

## North Campus School Existing Operations - Contra Costa County, Winter

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0195	0.1768	0.1485	1.0600e-003		0.0134	0.0134		0.0134	0.0134		212.1325	212.1325	4.0700e-003	3.8900e-003	213.3931
NaturalGas Unmitigated	0.0195	0.1768	0.1485	1.0600e-003		0.0134	0.0134		0.0134	0.0134		212.1325	212.1325	4.0700e-003	3.8900e-003	213.3931

**5.2 Energy by Land Use - NaturalGas****Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior High School	1803.13	0.0195	0.1768	0.1485	1.0600e-003		0.0134	0.0134		0.0134	0.0134		212.1325	212.1325	4.0700e-003	3.8900e-003	213.3931
<b>Total</b>		<b>0.0195</b>	<b>0.1768</b>	<b>0.1485</b>	<b>1.0600e-003</b>		<b>0.0134</b>	<b>0.0134</b>		<b>0.0134</b>	<b>0.0134</b>		<b>212.1325</b>	<b>212.1325</b>	<b>4.0700e-003</b>	<b>3.8900e-003</b>	<b>213.3931</b>

## North Campus School Existing Operations - Contra Costa County, Winter

**5.2 Energy by Land Use - NaturalGas****Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior High School	1.80313	0.0195	0.1768	0.1485	1.0600e-003		0.0134	0.0134		0.0134	0.0134		212.1325	212.1325	4.0700e-003	3.8900e-003	213.3931
<b>Total</b>		<b>0.0195</b>	<b>0.1768</b>	<b>0.1485</b>	<b>1.0600e-003</b>		<b>0.0134</b>	<b>0.0134</b>		<b>0.0134</b>	<b>0.0134</b>		<b>212.1325</b>	<b>212.1325</b>	<b>4.0700e-003</b>	<b>3.8900e-003</b>	<b>213.3931</b>

**6.0 Area Detail****6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.9697	4.0000e-005	4.1200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3400e-003
Unmitigated	0.9697	4.0000e-005	4.1200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3400e-003

## North Campus School Existing Operations - Contra Costa County, Winter

**6.2 Area by SubCategory****Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1142					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8551					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.9000e-004	4.0000e-005	4.1200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3400e-003
<b>Total</b>	<b>0.9697</b>	<b>4.0000e-005</b>	<b>4.1200e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>8.7500e-003</b>	<b>8.7500e-003</b>	<b>2.0000e-005</b>		<b>9.3400e-003</b>

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1142					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8551					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.9000e-004	4.0000e-005	4.1200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3400e-003
<b>Total</b>	<b>0.9697</b>	<b>4.0000e-005</b>	<b>4.1200e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>8.7500e-003</b>	<b>8.7500e-003</b>	<b>2.0000e-005</b>		<b>9.3400e-003</b>

**7.0 Water Detail**

## North Campus School Existing Operations - Contra Costa County, Winter

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**7.1 Mitigation Measures Water**

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**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

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**9.0 Operational Offroad**

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Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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**10.0 Stationary Equipment****Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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## North Campus School Construction and Operations - Contra Costa County, Annual

## North Campus School Construction and Operations

### Contra Costa County, Annual

## 1.0 Project Characteristics

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### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior High School	900.00	Student	8.31	105,805.52	0
Parking Lot	90.00	Space	0.81	36,000.00	0

### 1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	5			Operational Year	2021
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	294	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

### 1.3 User Entered Comments & Non-Default Data

## North Campus School Construction and Operations - Contra Costa County, Annual

Project Characteristics - PG&E 2016 CO2 intensity per 2018 CRSR

Land Use - Project acreage based on 397,267 square foot project site. Default square feet for school.

Construction Phase - Default construction phasing, assumes an approximate 14 month construction schedule. Operational anticipated in Fall 2021.

Off-road Equipment - Default equipment.

Off-road Equipment - Default equipment.

Off-road Equipment - Default equipment.

Off-road Equipment - Default equipment supplemented by project specific equipment list.

Off-road Equipment - Default equipment supplemented by project specific equipment.

Off-road Equipment - Default equipment.

Grading - Assumes a preliminary estimate of 2,222 CY of cut/fill.

Demolition - No on-site demolition. Assumes portable buildings will be removed from site on truck-trailers.

Trips and VMT - Default worker and vendor trips. Additional haul truck trips added during demolition phase to account for removal of 10 portable buildings.

Energy Use -

Construction Off-road Equipment Mitigation - Fugitive dust control of watering twice per day and 15 mph on unpaved roads.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblGrading	MaterialExported	0.00	2,222.00
tblLandUse	LotAcreage	2.43	8.31
tblOffRoadEquipment	LoadFactor	0.31	0.31
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblProjectCharacteristics	CO2IntensityFactor	641.35	294
tblTripsAndVMT	HaulingTripNumber	0.00	20.00

## 2.0 Emissions Summary

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## North Campus School Construction and Operations - Contra Costa County, Annual

**2.1 Overall Construction****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.1895	1.8583	1.3990	2.7800e-003	0.1895	0.0916	0.2811	0.0924	0.0854	0.1779	0.0000	245.6538	245.6538	0.0530	0.0000	246.9793
2021	0.7371	1.6458	1.5925	3.1800e-003	0.0466	0.0787	0.1253	0.0126	0.0738	0.0865	0.0000	280.1962	280.1962	0.0558	0.0000	281.5912
Maximum	0.7371	1.8583	1.5925	3.1800e-003	0.1895	0.0916	0.2811	0.0924	0.0854	0.1779	0.0000	280.1962	280.1962	0.0558	0.0000	281.5912

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.1895	1.8583	1.3990	2.7800e-003	0.1037	0.0916	0.1953	0.0466	0.0854	0.1320	0.0000	245.6535	245.6535	0.0530	0.0000	246.9791
2021	0.7371	1.6458	1.5925	3.1800e-003	0.0466	0.0787	0.1253	0.0126	0.0738	0.0865	0.0000	280.1960	280.1960	0.0558	0.0000	281.5910
Maximum	0.7371	1.8583	1.5925	3.1800e-003	0.1037	0.0916	0.1953	0.0466	0.0854	0.1320	0.0000	280.1960	280.1960	0.0558	0.0000	281.5910

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	36.33	0.00	21.11	43.62	0.00	17.35	0.00	0.00	0.00	0.00	0.00	0.00



## North Campus School Construction and Operations - Contra Costa County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	6-22-2020	9-21-2020	1.1198	1.1198
2	9-22-2020	12-21-2020	0.8155	0.8155
3	12-22-2020	3-21-2021	0.7401	0.7401
4	3-22-2021	6-21-2021	0.7464	0.7464
5	6-22-2021	9-21-2021	0.9828	0.9828
		Highest	1.1198	1.1198

## 2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.4723	8.0000e-005	9.1300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0177	0.0177	5.0000e-005	0.0000	0.0189
Energy	9.4000e-003	0.0854	0.0718	5.1000e-004		6.4900e-003	6.4900e-003		6.4900e-003	6.4900e-003	0.0000	157.3206	157.3206	8.1300e-003	3.0200e-003	158.4230
Mobile	0.2763	1.2452	3.1037	0.0103	0.8744	8.9400e-003	0.8834	0.2346	8.3700e-003	0.2430	0.0000	938.1804	938.1804	0.0352	0.0000	939.0608
Waste						0.0000	0.0000		0.0000	0.0000	33.3413	0.0000	33.3413	1.9704	0.0000	82.6016
Water						0.0000	0.0000		0.0000	0.0000	0.6922	4.1930	4.8852	0.0715	1.7600e-003	7.1987
<b>Total</b>	<b>0.7581</b>	<b>1.3307</b>	<b>3.1845</b>	<b>0.0108</b>	<b>0.8744</b>	<b>0.0155</b>	<b>0.8899</b>	<b>0.2346</b>	<b>0.0149</b>	<b>0.2495</b>	<b>34.0335</b>	<b>1,099.7116</b>	<b>1,133.7451</b>	<b>2.0853</b>	<b>4.7800e-003</b>	<b>1,187.3029</b>

## North Campus School Construction and Operations - Contra Costa County, Annual

**2.2 Overall Operational****Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.4723	8.0000e-005	9.1300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0177	0.0177	5.0000e-005	0.0000	0.0189
Energy	9.4000e-003	0.0854	0.0718	5.1000e-004		6.4900e-003	6.4900e-003		6.4900e-003	6.4900e-003	0.0000	157.3206	157.3206	8.1300e-003	3.0200e-003	158.4230
Mobile	0.2763	1.2452	3.1037	0.0103	0.8744	8.9400e-003	0.8834	0.2346	8.3700e-003	0.2430	0.0000	938.1804	938.1804	0.0352	0.0000	939.0608
Waste						0.0000	0.0000		0.0000	0.0000	33.3413	0.0000	33.3413	1.9704	0.0000	82.6016
Water						0.0000	0.0000		0.0000	0.0000	0.6922	4.1930	4.8852	0.0715	1.7600e-003	7.1987
<b>Total</b>	<b>0.7581</b>	<b>1.3307</b>	<b>3.1845</b>	<b>0.0108</b>	<b>0.8744</b>	<b>0.0155</b>	<b>0.8899</b>	<b>0.2346</b>	<b>0.0149</b>	<b>0.2495</b>	<b>34.0335</b>	<b>1,099.7116</b>	<b>1,133.7451</b>	<b>2.0853</b>	<b>4.7800e-003</b>	<b>1,187.3029</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

**3.0 Construction Detail****Construction Phase**

## North Campus School Construction and Operations - Contra Costa County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/22/2020	7/17/2020	5	20	
2	Site Preparation	Site Preparation	7/18/2020	7/31/2020	5	10	
3	Grading	Grading	8/1/2020	8/28/2020	5	20	
4	Building Construction	Building Construction	8/29/2020	7/16/2021	5	230	
5	Paving	Paving	7/17/2021	8/13/2021	5	20	
6	Architectural Coating	Architectural Coating	8/14/2021	9/10/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0.81

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 158,708; Non-Residential Outdoor: 52,903; Striped Parking Area: 2,160 (Architectural Coating – sqft)

OffRoad Equipment

## North Campus School Construction and Operations - Contra Costa County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	1	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Welders	1	8.00	46	0.45
Building Construction	Aerial Lifts	1	8.00	63	0.31
Paving	Off-Highway Trucks	1	8.00	402	0.38

Trips and VMT

## North Campus School Construction and Operations - Contra Costa County, Annual

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	20.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	278.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	10	60.00	23.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	12.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

**3.2 Demolition - 2020****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0331	0.3320	0.2175	3.9000e-004		0.0166	0.0166		0.0154	0.0154	0.0000	33.9986	33.9986	9.6000e-003	0.0000	34.2386
<b>Total</b>	<b>0.0331</b>	<b>0.3320</b>	<b>0.2175</b>	<b>3.9000e-004</b>		<b>0.0166</b>	<b>0.0166</b>		<b>0.0154</b>	<b>0.0154</b>	<b>0.0000</b>	<b>33.9986</b>	<b>33.9986</b>	<b>9.6000e-003</b>	<b>0.0000</b>	<b>34.2386</b>

## North Campus School Construction and Operations - Contra Costa County, Annual

**3.2 Demolition - 2020****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.0000e-005	2.9000e-003	5.5000e-004	1.0000e-005	1.7000e-004	1.0000e-005	1.8000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.7583	0.7583	3.0000e-005	0.0000	0.7591
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-004	3.6000e-004	3.7700e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.0437	1.0437	3.0000e-005	0.0000	1.0443
<b>Total</b>	<b>5.8000e-004</b>	<b>3.2600e-003</b>	<b>4.3200e-003</b>	<b>2.0000e-005</b>	<b>1.3600e-003</b>	<b>2.0000e-005</b>	<b>1.3800e-003</b>	<b>3.7000e-004</b>	<b>2.0000e-005</b>	<b>3.8000e-004</b>	<b>0.0000</b>	<b>1.8020</b>	<b>1.8020</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>1.8035</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0331	0.3320	0.2175	3.9000e-004		0.0166	0.0166		0.0154	0.0154	0.0000	33.9986	33.9986	9.6000e-003	0.0000	34.2385
<b>Total</b>	<b>0.0331</b>	<b>0.3320</b>	<b>0.2175</b>	<b>3.9000e-004</b>		<b>0.0166</b>	<b>0.0166</b>		<b>0.0154</b>	<b>0.0154</b>	<b>0.0000</b>	<b>33.9986</b>	<b>33.9986</b>	<b>9.6000e-003</b>	<b>0.0000</b>	<b>34.2385</b>

## North Campus School Construction and Operations - Contra Costa County, Annual

**3.2 Demolition - 2020****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.0000e-005	2.9000e-003	5.5000e-004	1.0000e-005	1.7000e-004	1.0000e-005	1.8000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.7583	0.7583	3.0000e-005	0.0000	0.7591
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-004	3.6000e-004	3.7700e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.0437	1.0437	3.0000e-005	0.0000	1.0443
<b>Total</b>	<b>5.8000e-004</b>	<b>3.2600e-003</b>	<b>4.3200e-003</b>	<b>2.0000e-005</b>	<b>1.3600e-003</b>	<b>2.0000e-005</b>	<b>1.3800e-003</b>	<b>3.7000e-004</b>	<b>2.0000e-005</b>	<b>3.8000e-004</b>	<b>0.0000</b>	<b>1.8020</b>	<b>1.8020</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>1.8035</b>

**3.3 Site Preparation - 2020****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0204	0.2121	0.1076	1.9000e-004		0.0110	0.0110		0.0101	0.0101	0.0000	16.7153	16.7153	5.4100e-003	0.0000	16.8505
<b>Total</b>	<b>0.0204</b>	<b>0.2121</b>	<b>0.1076</b>	<b>1.9000e-004</b>	<b>0.0903</b>	<b>0.0110</b>	<b>0.1013</b>	<b>0.0497</b>	<b>0.0101</b>	<b>0.0598</b>	<b>0.0000</b>	<b>16.7153</b>	<b>16.7153</b>	<b>5.4100e-003</b>	<b>0.0000</b>	<b>16.8505</b>

## North Campus School Construction and Operations - Contra Costa County, Annual

**3.3 Site Preparation - 2020****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	2.2000e-004	2.2600e-003	1.0000e-005	7.1000e-004	0.0000	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.6262	0.6262	2.0000e-005	0.0000	0.6266
<b>Total</b>	<b>3.0000e-004</b>	<b>2.2000e-004</b>	<b>2.2600e-003</b>	<b>1.0000e-005</b>	<b>7.1000e-004</b>	<b>0.0000</b>	<b>7.2000e-004</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>0.6262</b>	<b>0.6262</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.6266</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0407	0.0000	0.0407	0.0223	0.0000	0.0223	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0204	0.2121	0.1076	1.9000e-004		0.0110	0.0110		0.0101	0.0101	0.0000	16.7153	16.7153	5.4100e-003	0.0000	16.8505
<b>Total</b>	<b>0.0204</b>	<b>0.2121</b>	<b>0.1076</b>	<b>1.9000e-004</b>	<b>0.0407</b>	<b>0.0110</b>	<b>0.0516</b>	<b>0.0223</b>	<b>0.0101</b>	<b>0.0325</b>	<b>0.0000</b>	<b>16.7153</b>	<b>16.7153</b>	<b>5.4100e-003</b>	<b>0.0000</b>	<b>16.8505</b>



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**3.3 Site Preparation - 2020****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	2.2000e-004	2.2600e-003	1.0000e-005	7.1000e-004	0.0000	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.6262	0.6262	2.0000e-005	0.0000	0.6266
<b>Total</b>	<b>3.0000e-004</b>	<b>2.2000e-004</b>	<b>2.2600e-003</b>	<b>1.0000e-005</b>	<b>7.1000e-004</b>	<b>0.0000</b>	<b>7.2000e-004</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>0.6262</b>	<b>0.6262</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.6266</b>

**3.4 Grading - 2020****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0657	0.0000	0.0657	0.0337	0.0000	0.0337	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0243	0.2639	0.1605	3.0000e-004		0.0127	0.0127		0.0117	0.0117	0.0000	26.0588	26.0588	8.4300e-003	0.0000	26.2694
<b>Total</b>	<b>0.0243</b>	<b>0.2639</b>	<b>0.1605</b>	<b>3.0000e-004</b>	<b>0.0657</b>	<b>0.0127</b>	<b>0.0784</b>	<b>0.0337</b>	<b>0.0117</b>	<b>0.0454</b>	<b>0.0000</b>	<b>26.0588</b>	<b>26.0588</b>	<b>8.4300e-003</b>	<b>0.0000</b>	<b>26.2694</b>

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**3.4 Grading - 2020****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.1500e-003	0.0403	7.5900e-003	1.1000e-004	2.3500e-003	1.3000e-004	2.4900e-003	6.5000e-004	1.3000e-004	7.7000e-004	0.0000	10.5401	10.5401	4.7000e-004	0.0000	10.5518
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-004	3.6000e-004	3.7700e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.0437	1.0437	3.0000e-005	0.0000	1.0443
<b>Total</b>	<b>1.6500e-003</b>	<b>0.0407</b>	<b>0.0114</b>	<b>1.2000e-004</b>	<b>3.5400e-003</b>	<b>1.4000e-004</b>	<b>3.6900e-003</b>	<b>9.7000e-004</b>	<b>1.4000e-004</b>	<b>1.0900e-003</b>	<b>0.0000</b>	<b>11.5838</b>	<b>11.5838</b>	<b>5.0000e-004</b>	<b>0.0000</b>	<b>11.5961</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0295	0.0000	0.0295	0.0152	0.0000	0.0152	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0243	0.2639	0.1605	3.0000e-004		0.0127	0.0127		0.0117	0.0117	0.0000	26.0587	26.0587	8.4300e-003	0.0000	26.2694
<b>Total</b>	<b>0.0243</b>	<b>0.2639</b>	<b>0.1605</b>	<b>3.0000e-004</b>	<b>0.0295</b>	<b>0.0127</b>	<b>0.0423</b>	<b>0.0152</b>	<b>0.0117</b>	<b>0.0269</b>	<b>0.0000</b>	<b>26.0587</b>	<b>26.0587</b>	<b>8.4300e-003</b>	<b>0.0000</b>	<b>26.2694</b>

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**3.4 Grading - 2020****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.1500e-003	0.0403	7.5900e-003	1.1000e-004	2.3500e-003	1.3000e-004	2.4900e-003	6.5000e-004	1.3000e-004	7.7000e-004	0.0000	10.5401	10.5401	4.7000e-004	0.0000	10.5518
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-004	3.6000e-004	3.7700e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.0437	1.0437	3.0000e-005	0.0000	1.0443
<b>Total</b>	<b>1.6500e-003</b>	<b>0.0407</b>	<b>0.0114</b>	<b>1.2000e-004</b>	<b>3.5400e-003</b>	<b>1.4000e-004</b>	<b>3.6900e-003</b>	<b>9.7000e-004</b>	<b>1.4000e-004</b>	<b>1.0900e-003</b>	<b>0.0000</b>	<b>11.5838</b>	<b>11.5838</b>	<b>5.0000e-004</b>	<b>0.0000</b>	<b>11.5961</b>

**3.5 Building Construction - 2020****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0961	0.8823	0.7982	1.2700e-003		0.0503	0.0503		0.0473	0.0473	0.0000	109.5932	109.5932	0.0273	0.0000	110.2746
<b>Total</b>	<b>0.0961</b>	<b>0.8823</b>	<b>0.7982</b>	<b>1.2700e-003</b>		<b>0.0503</b>	<b>0.0503</b>		<b>0.0473</b>	<b>0.0473</b>	<b>0.0000</b>	<b>109.5932</b>	<b>109.5932</b>	<b>0.0273</b>	<b>0.0000</b>	<b>110.2746</b>

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**3.5 Building Construction - 2020****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.1000e-003	0.1174	0.0302	2.8000e-004	6.7300e-003	6.0000e-004	7.3300e-003	1.9500e-003	5.7000e-004	2.5200e-003	0.0000	26.6982	26.6982	1.3100e-003	0.0000	26.7310
Worker	8.9600e-003	6.4800e-003	0.0671	2.1000e-004	0.0212	1.4000e-004	0.0213	5.6300e-003	1.3000e-004	5.7600e-003	0.0000	18.5776	18.5776	4.6000e-004	0.0000	18.5890
<b>Total</b>	<b>0.0131</b>	<b>0.1239</b>	<b>0.0973</b>	<b>4.9000e-004</b>	<b>0.0279</b>	<b>7.4000e-004</b>	<b>0.0287</b>	<b>7.5800e-003</b>	<b>7.0000e-004</b>	<b>8.2800e-003</b>	<b>0.0000</b>	<b>45.2759</b>	<b>45.2759</b>	<b>1.7700e-003</b>	<b>0.0000</b>	<b>45.3200</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0961	0.8823	0.7982	1.2700e-003		0.0503	0.0503		0.0473	0.0473	0.0000	109.5931	109.5931	0.0273	0.0000	110.2745
<b>Total</b>	<b>0.0961</b>	<b>0.8823</b>	<b>0.7982</b>	<b>1.2700e-003</b>		<b>0.0503</b>	<b>0.0503</b>		<b>0.0473</b>	<b>0.0473</b>	<b>0.0000</b>	<b>109.5931</b>	<b>109.5931</b>	<b>0.0273</b>	<b>0.0000</b>	<b>110.2745</b>

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**3.5 Building Construction - 2020****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.1000e-003	0.1174	0.0302	2.8000e-004	6.7300e-003	6.0000e-004	7.3300e-003	1.9500e-003	5.7000e-004	2.5200e-003	0.0000	26.6982	26.6982	1.3100e-003	0.0000	26.7310
Worker	8.9600e-003	6.4800e-003	0.0671	2.1000e-004	0.0212	1.4000e-004	0.0213	5.6300e-003	1.3000e-004	5.7600e-003	0.0000	18.5776	18.5776	4.6000e-004	0.0000	18.5890
<b>Total</b>	<b>0.0131</b>	<b>0.1239</b>	<b>0.0973</b>	<b>4.9000e-004</b>	<b>0.0279</b>	<b>7.4000e-004</b>	<b>0.0287</b>	<b>7.5800e-003</b>	<b>7.0000e-004</b>	<b>8.2800e-003</b>	<b>0.0000</b>	<b>45.2759</b>	<b>45.2759</b>	<b>1.7700e-003</b>	<b>0.0000</b>	<b>45.3200</b>

**3.5 Building Construction - 2021****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1366	1.2711	1.2452	2.0200e-003		0.0684	0.0684		0.0643	0.0643	0.0000	173.6445	173.6445	0.0427	0.0000	174.7131
<b>Total</b>	<b>0.1366</b>	<b>1.2711</b>	<b>1.2452</b>	<b>2.0200e-003</b>		<b>0.0684</b>	<b>0.0684</b>		<b>0.0643</b>	<b>0.0643</b>	<b>0.0000</b>	<b>173.6445</b>	<b>173.6445</b>	<b>0.0427</b>	<b>0.0000</b>	<b>174.7131</b>

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**3.5 Building Construction - 2021****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.3000e-003	0.1676	0.0426	4.4000e-004	0.0107	3.8000e-004	0.0110	3.0800e-003	3.6000e-004	3.4400e-003	0.0000	41.9165	41.9165	1.9500e-003	0.0000	41.9652
Worker	0.0131	9.1600e-003	0.0969	3.1000e-004	0.0336	2.2000e-004	0.0338	8.9200e-003	2.0000e-004	9.1200e-003	0.0000	28.3885	28.3885	6.4000e-004	0.0000	28.4047
<b>Total</b>	<b>0.0184</b>	<b>0.1768</b>	<b>0.1395</b>	<b>7.5000e-004</b>	<b>0.0442</b>	<b>6.0000e-004</b>	<b>0.0448</b>	<b>0.0120</b>	<b>5.6000e-004</b>	<b>0.0126</b>	<b>0.0000</b>	<b>70.3051</b>	<b>70.3051</b>	<b>2.5900e-003</b>	<b>0.0000</b>	<b>70.3698</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1366	1.2711	1.2452	2.0200e-003		0.0684	0.0684		0.0643	0.0643	0.0000	173.6443	173.6443	0.0427	0.0000	174.7128
<b>Total</b>	<b>0.1366</b>	<b>1.2711</b>	<b>1.2452</b>	<b>2.0200e-003</b>		<b>0.0684</b>	<b>0.0684</b>		<b>0.0643</b>	<b>0.0643</b>	<b>0.0000</b>	<b>173.6443</b>	<b>173.6443</b>	<b>0.0427</b>	<b>0.0000</b>	<b>174.7128</b>

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**3.5 Building Construction - 2021****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.3000e-003	0.1676	0.0426	4.4000e-004	0.0107	3.8000e-004	0.0110	3.0800e-003	3.6000e-004	3.4400e-003	0.0000	41.9165	41.9165	1.9500e-003	0.0000	41.9652
Worker	0.0131	9.1600e-003	0.0969	3.1000e-004	0.0336	2.2000e-004	0.0338	8.9200e-003	2.0000e-004	9.1200e-003	0.0000	28.3885	28.3885	6.4000e-004	0.0000	28.4047
<b>Total</b>	<b>0.0184</b>	<b>0.1768</b>	<b>0.1395</b>	<b>7.5000e-004</b>	<b>0.0442</b>	<b>6.0000e-004</b>	<b>0.0448</b>	<b>0.0120</b>	<b>5.6000e-004</b>	<b>0.0126</b>	<b>0.0000</b>	<b>70.3051</b>	<b>70.3051</b>	<b>2.5900e-003</b>	<b>0.0000</b>	<b>70.3698</b>

**3.6 Paving - 2021****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0186	0.1821	0.1828	3.6000e-004		8.7200e-003	8.7200e-003		8.0200e-003	8.0200e-003	0.0000	31.6800	31.6800	0.0103	0.0000	31.9362
Paving	1.0600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0197</b>	<b>0.1821</b>	<b>0.1828</b>	<b>3.6000e-004</b>		<b>8.7200e-003</b>	<b>8.7200e-003</b>		<b>8.0200e-003</b>	<b>8.0200e-003</b>	<b>0.0000</b>	<b>31.6800</b>	<b>31.6800</b>	<b>0.0103</b>	<b>0.0000</b>	<b>31.9362</b>

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**3.6 Paving - 2021****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.6000e-004	3.9000e-004	4.1200e-003	1.0000e-005	1.4300e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.2080	1.2080	3.0000e-005	0.0000	1.2087
<b>Total</b>	<b>5.6000e-004</b>	<b>3.9000e-004</b>	<b>4.1200e-003</b>	<b>1.0000e-005</b>	<b>1.4300e-003</b>	<b>1.0000e-005</b>	<b>1.4400e-003</b>	<b>3.8000e-004</b>	<b>1.0000e-005</b>	<b>3.9000e-004</b>	<b>0.0000</b>	<b>1.2080</b>	<b>1.2080</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.2087</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0186	0.1821	0.1828	3.6000e-004		8.7200e-003	8.7200e-003		8.0200e-003	8.0200e-003	0.0000	31.6800	31.6800	0.0103	0.0000	31.9362
Paving	1.0600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0197</b>	<b>0.1821</b>	<b>0.1828</b>	<b>3.6000e-004</b>		<b>8.7200e-003</b>	<b>8.7200e-003</b>		<b>8.0200e-003</b>	<b>8.0200e-003</b>	<b>0.0000</b>	<b>31.6800</b>	<b>31.6800</b>	<b>0.0103</b>	<b>0.0000</b>	<b>31.9362</b>



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**3.6 Paving - 2021****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.6000e-004	3.9000e-004	4.1200e-003	1.0000e-005	1.4300e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.2080	1.2080	3.0000e-005	0.0000	1.2087
<b>Total</b>	<b>5.6000e-004</b>	<b>3.9000e-004</b>	<b>4.1200e-003</b>	<b>1.0000e-005</b>	<b>1.4300e-003</b>	<b>1.0000e-005</b>	<b>1.4400e-003</b>	<b>3.8000e-004</b>	<b>1.0000e-005</b>	<b>3.9000e-004</b>	<b>0.0000</b>	<b>1.2080</b>	<b>1.2080</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.2087</b>

**3.7 Architectural Coating - 2021****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5592					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1900e-003	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004	0.0000	2.5533	2.5533	1.8000e-004	0.0000	2.5576
<b>Total</b>	<b>0.5614</b>	<b>0.0153</b>	<b>0.0182</b>	<b>3.0000e-005</b>		<b>9.4000e-004</b>	<b>9.4000e-004</b>		<b>9.4000e-004</b>	<b>9.4000e-004</b>	<b>0.0000</b>	<b>2.5533</b>	<b>2.5533</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>2.5576</b>

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**3.7 Architectural Coating - 2021****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7000e-004	2.6000e-004	2.7500e-003	1.0000e-005	9.5000e-004	1.0000e-005	9.6000e-004	2.5000e-004	1.0000e-005	2.6000e-004	0.0000	0.8054	0.8054	2.0000e-005	0.0000	0.8058
<b>Total</b>	<b>3.7000e-004</b>	<b>2.6000e-004</b>	<b>2.7500e-003</b>	<b>1.0000e-005</b>	<b>9.5000e-004</b>	<b>1.0000e-005</b>	<b>9.6000e-004</b>	<b>2.5000e-004</b>	<b>1.0000e-005</b>	<b>2.6000e-004</b>	<b>0.0000</b>	<b>0.8054</b>	<b>0.8054</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.8058</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5592					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1900e-003	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004	0.0000	2.5533	2.5533	1.8000e-004	0.0000	2.5576
<b>Total</b>	<b>0.5614</b>	<b>0.0153</b>	<b>0.0182</b>	<b>3.0000e-005</b>		<b>9.4000e-004</b>	<b>9.4000e-004</b>		<b>9.4000e-004</b>	<b>9.4000e-004</b>	<b>0.0000</b>	<b>2.5533</b>	<b>2.5533</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>2.5576</b>

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**3.7 Architectural Coating - 2021****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7000e-004	2.6000e-004	2.7500e-003	1.0000e-005	9.5000e-004	1.0000e-005	9.6000e-004	2.5000e-004	1.0000e-005	2.6000e-004	0.0000	0.8054	0.8054	2.0000e-005	0.0000	0.8058
<b>Total</b>	<b>3.7000e-004</b>	<b>2.6000e-004</b>	<b>2.7500e-003</b>	<b>1.0000e-005</b>	<b>9.5000e-004</b>	<b>1.0000e-005</b>	<b>9.6000e-004</b>	<b>2.5000e-004</b>	<b>1.0000e-005</b>	<b>2.6000e-004</b>	<b>0.0000</b>	<b>0.8054</b>	<b>0.8054</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.8058</b>

**4.0 Operational Detail - Mobile****4.1 Mitigation Measures Mobile**

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2763	1.2452	3.1037	0.0103	0.8744	8.9400e-003	0.8834	0.2346	8.3700e-003	0.2430	0.0000	938.1804	938.1804	0.0352	0.0000	939.0608
Unmitigated	0.2763	1.2452	3.1037	0.0103	0.8744	8.9400e-003	0.8834	0.2346	8.3700e-003	0.2430	0.0000	938.1804	938.1804	0.0352	0.0000	939.0608

## 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior High School	1,458.00	0.00	0.00	2,341,334	2,341,334
Parking Lot	0.00	0.00	0.00		
Total	1,458.00	0.00	0.00	2,341,334	2,341,334

## 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior High School	9.50	7.30	7.30	72.80	22.20	5.00	63	25	12
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

## 4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior High School	0.582298	0.039109	0.186022	0.123408	0.017184	0.005083	0.010615	0.023794	0.001605	0.001810	0.005454	0.002746	0.000871
Parking Lot	0.582298	0.039109	0.186022	0.123408	0.017184	0.005083	0.010615	0.023794	0.001605	0.001810	0.005454	0.002746	0.000871

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**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	64.3279	64.3279	6.3500e-003	1.3100e-003	64.8777
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	64.3279	64.3279	6.3500e-003	1.3100e-003	64.8777
NaturalGas Mitigated	9.4000e-003	0.0854	0.0718	5.1000e-004		6.4900e-003	6.4900e-003		6.4900e-003	6.4900e-003	0.0000	92.9927	92.9927	1.7800e-003	1.7000e-003	93.5453
NaturalGas Unmitigated	9.4000e-003	0.0854	0.0718	5.1000e-004		6.4900e-003	6.4900e-003		6.4900e-003	6.4900e-003	0.0000	92.9927	92.9927	1.7800e-003	1.7000e-003	93.5453

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**5.2 Energy by Land Use - NaturalGas****Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior High School	1.74262e+006	9.4000e-003	0.0854	0.0718	5.1000e-004		6.4900e-003	6.4900e-003		6.4900e-003	6.4900e-003	0.0000	92.9927	92.9927	1.7800e-003	1.7000e-003	93.5453
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>9.4000e-003</b>	<b>0.0854</b>	<b>0.0718</b>	<b>5.1000e-004</b>		<b>6.4900e-003</b>	<b>6.4900e-003</b>		<b>6.4900e-003</b>	<b>6.4900e-003</b>	<b>0.0000</b>	<b>92.9927</b>	<b>92.9927</b>	<b>1.7800e-003</b>	<b>1.7000e-003</b>	<b>93.5453</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior High School	1.74262e+006	9.4000e-003	0.0854	0.0718	5.1000e-004		6.4900e-003	6.4900e-003		6.4900e-003	6.4900e-003	0.0000	92.9927	92.9927	1.7800e-003	1.7000e-003	93.5453
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>9.4000e-003</b>	<b>0.0854</b>	<b>0.0718</b>	<b>5.1000e-004</b>		<b>6.4900e-003</b>	<b>6.4900e-003</b>		<b>6.4900e-003</b>	<b>6.4900e-003</b>	<b>0.0000</b>	<b>92.9927</b>	<b>92.9927</b>	<b>1.7800e-003</b>	<b>1.7000e-003</b>	<b>93.5453</b>

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**5.3 Energy by Land Use - Electricity****Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior High School	469777	62.6476	6.1800e-003	1.2800e-003	63.1831
Parking Lot	12600	1.6803	1.7000e-004	3.0000e-005	1.6947
<b>Total</b>		<b>64.3279</b>	<b>6.3500e-003</b>	<b>1.3100e-003</b>	<b>64.8777</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior High School	469777	62.6476	6.1800e-003	1.2800e-003	63.1831
Parking Lot	12600	1.6803	1.7000e-004	3.0000e-005	1.6947
<b>Total</b>		<b>64.3279</b>	<b>6.3500e-003</b>	<b>1.3100e-003</b>	<b>64.8777</b>

**6.0 Area Detail****6.1 Mitigation Measures Area**

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.4723	8.0000e-005	9.1300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0177	0.0177	5.0000e-005	0.0000	0.0189
Unmitigated	0.4723	8.0000e-005	9.1300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0177	0.0177	5.0000e-005	0.0000	0.0189

## 6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0559					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4156					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.5000e-004	8.0000e-005	9.1300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0177	0.0177	5.0000e-005	0.0000	0.0189
<b>Total</b>	<b>0.4723</b>	<b>8.0000e-005</b>	<b>9.1300e-003</b>	<b>0.0000</b>		<b>3.0000e-005</b>	<b>3.0000e-005</b>		<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0177</b>	<b>0.0177</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>0.0189</b>



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**6.2 Area by SubCategory****Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0559					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4156					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.5000e-004	8.0000e-005	9.1300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0177	0.0177	5.0000e-005	0.0000	0.0189
<b>Total</b>	<b>0.4723</b>	<b>8.0000e-005</b>	<b>9.1300e-003</b>	<b>0.0000</b>		<b>3.0000e-005</b>	<b>3.0000e-005</b>		<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0177</b>	<b>0.0177</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>0.0189</b>

**7.0 Water Detail****7.1 Mitigation Measures Water**

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	4.8852	0.0715	1.7600e-003	7.1987
Unmitigated	4.8852	0.0715	1.7600e-003	7.1987

## 7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior High School	2.18182 / 5.61038	4.8852	0.0715	1.7600e-003	7.1987
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>4.8852</b>	<b>0.0715</b>	<b>1.7600e-003</b>	<b>7.1987</b>

## North Campus School Construction and Operations - Contra Costa County, Annual

**7.2 Water by Land Use****Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior High School	2.18182 / 5.61038	4.8852	0.0715	1.7600e-003	7.1987
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>4.8852</b>	<b>0.0715</b>	<b>1.7600e-003</b>	<b>7.1987</b>

**8.0 Waste Detail****8.1 Mitigation Measures Waste****Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	33.3413	1.9704	0.0000	82.6016
Unmitigated	33.3413	1.9704	0.0000	82.6016

## North Campus School Construction and Operations - Contra Costa County, Annual

**8.2 Waste by Land Use****Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior High School	164.25	33.3413	1.9704	0.0000	82.6016
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>33.3413</b>	<b>1.9704</b>	<b>0.0000</b>	<b>82.6016</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior High School	164.25	33.3413	1.9704	0.0000	82.6016
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>33.3413</b>	<b>1.9704</b>	<b>0.0000</b>	<b>82.6016</b>

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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## North Campus School Construction and Operations - Contra Costa County, Annual

**10.0 Stationary Equipment**

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**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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## North Campus School Construction and Operations - Contra Costa County, Summer

## North Campus School Construction and Operations

### Contra Costa County, Summer

## 1.0 Project Characteristics

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### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior High School	900.00	Student	8.31	105,805.52	0
Parking Lot	90.00	Space	0.81	36,000.00	0

### 1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	5			Operational Year	2021
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	294	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

### 1.3 User Entered Comments & Non-Default Data

## North Campus School Construction and Operations - Contra Costa County, Summer

Project Characteristics - PG&E 2016 CO2 intensity per 2018 CRSR

Land Use - Project acreage based on 397,267 square foot project site. Default square feet for school.

Construction Phase - Default construction phasing, assumes an approximate 14 month construction schedule. Operational anticipated in Fall 2021.

Off-road Equipment - Default equipment.

Off-road Equipment - Default equipment.

Off-road Equipment - Default equipment.

Off-road Equipment - Default equipment supplemented by project specific equipment list.

Off-road Equipment - Default equipment supplemented by project specific equipment.

Off-road Equipment - Default equipment.

Grading - Assumes a preliminary estimate of 2,222 CY of cut/fill.

Demolition - No on-site demolition. Assumes portable buildings will be removed from site on truck-trailers.

Trips and VMT - Default worker and vendor trips. Additional haul truck trips added during demolition phase to account for removal of 10 portable buildings.

Energy Use -

Construction Off-road Equipment Mitigation - Fugitive dust control of watering twice per day and 15 mph on unpaved roads.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblGrading	MaterialExported	0.00	2,222.00
tblLandUse	LotAcreage	2.43	8.31
tblOffRoadEquipment	LoadFactor	0.31	0.31
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblProjectCharacteristics	CO2IntensityFactor	641.35	294
tblTripsAndVMT	HaulingTripNumber	0.00	20.00

## 2.0 Emissions Summary

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## North Campus School Construction and Operations - Contra Costa County, Summer

## 2.1 Overall Construction (Maximum Daily Emission)

### Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.1420	42.4564	22.2275	0.0419	18.2141	2.1984	20.4125	9.9699	2.0225	11.9924	0.0000	4,168.1518	4,168.1518	1.1955	0.0000	4,192.7121
2021	56.1811	20.4982	19.7676	0.0397	0.6486	0.9784	1.6269	0.1756	0.9196	1.0952	0.0000	3,861.4204	3,861.4204	1.1327	0.0000	3,879.1334
Maximum	56.1811	42.4564	22.2275	0.0419	18.2141	2.1984	20.4125	9.9699	2.0225	11.9924	0.0000	4,168.1518	4,168.1518	1.1955	0.0000	4,192.7121

### Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.1420	42.4564	22.2275	0.0419	8.2777	2.1984	10.4761	4.5080	2.0225	6.5305	0.0000	4,168.1518	4,168.1518	1.1955	0.0000	4,192.7121
2021	56.1811	20.4982	19.7676	0.0397	0.6486	0.9784	1.6269	0.1756	0.9196	1.0952	0.0000	3,861.4204	3,861.4204	1.1327	0.0000	3,879.1334
Maximum	56.1811	42.4564	22.2275	0.0419	8.2777	2.1984	10.4761	4.5080	2.0225	6.5305	0.0000	4,168.1518	4,168.1518	1.1955	0.0000	4,192.7121

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	52.68	0.00	45.08	53.84	0.00	41.73	0.00	0.00	0.00	0.00	0.00	0.00



## North Campus School Construction and Operations - Contra Costa County, Summer

**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.5929	9.3000e-004	0.1015	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004		0.2167	0.2167	5.8000e-004		0.2311
Energy	0.0515	0.4681	0.3932	2.8100e-003		0.0356	0.0356		0.0356	0.0356		561.6815	561.6815	0.0108	0.0103	565.0193
Mobile	2.5329	9.2853	25.2177	0.0845	6.9628	0.0687	7.0314	1.8630	0.0642	1.9272		8,521.2897	8,521.2897	0.3023		8,528.8467
<b>Total</b>	<b>5.1772</b>	<b>9.7543</b>	<b>25.7124</b>	<b>0.0873</b>	<b>6.9628</b>	<b>0.1046</b>	<b>7.0674</b>	<b>1.8630</b>	<b>0.1001</b>	<b>1.9631</b>		<b>9,083.1879</b>	<b>9,083.1879</b>	<b>0.3136</b>	<b>0.0103</b>	<b>9,094.0970</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.5929	9.3000e-004	0.1015	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004		0.2167	0.2167	5.8000e-004		0.2311
Energy	0.0515	0.4681	0.3932	2.8100e-003		0.0356	0.0356		0.0356	0.0356		561.6815	561.6815	0.0108	0.0103	565.0193
Mobile	2.5329	9.2853	25.2177	0.0845	6.9628	0.0687	7.0314	1.8630	0.0642	1.9272		8,521.2897	8,521.2897	0.3023		8,528.8467
<b>Total</b>	<b>5.1772</b>	<b>9.7543</b>	<b>25.7124</b>	<b>0.0873</b>	<b>6.9628</b>	<b>0.1046</b>	<b>7.0674</b>	<b>1.8630</b>	<b>0.1001</b>	<b>1.9631</b>		<b>9,083.1879</b>	<b>9,083.1879</b>	<b>0.3136</b>	<b>0.0103</b>	<b>9,094.0970</b>

## North Campus School Construction and Operations - Contra Costa County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**3.0 Construction Detail****Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/22/2020	7/17/2020	5	20	
2	Site Preparation	Site Preparation	7/18/2020	7/31/2020	5	10	
3	Grading	Grading	8/1/2020	8/28/2020	5	20	
4	Building Construction	Building Construction	8/29/2020	7/16/2021	5	230	
5	Paving	Paving	7/17/2021	8/13/2021	5	20	
6	Architectural Coating	Architectural Coating	8/14/2021	9/10/2021	5	20	

**Acres of Grading (Site Preparation Phase): 0****Acres of Grading (Grading Phase): 10****Acres of Paving: 0.81****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 158,708; Non-Residential Outdoor: 52,903; Striped Parking Area: 2,160 (Architectural Coating – sqft)****OffRoad Equipment**

## North Campus School Construction and Operations - Contra Costa County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	1	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Welders	1	8.00	46	0.45
Building Construction	Aerial Lifts	1	8.00	63	0.31
Paving	Off-Highway Trucks	1	8.00	402	0.38

Trips and VMT

## North Campus School Construction and Operations - Contra Costa County, Summer

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	20.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	278.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	10	60.00	23.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	12.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

**3.2 Demolition - 2020****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
<b>Total</b>	<b>3.3121</b>	<b>33.2010</b>	<b>21.7532</b>	<b>0.0388</b>		<b>1.6587</b>	<b>1.6587</b>		<b>1.5419</b>	<b>1.5419</b>		<b>3,747.7049</b>	<b>3,747.7049</b>	<b>1.0580</b>		<b>3,774.1536</b>

## North Campus School Construction and Operations - Contra Costa County, Summer

**3.2 Demolition - 2020****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	8.1600e-003	0.2846	0.0528	7.9000e-004	0.0175	9.5000e-004	0.0184	4.7900e-003	9.1000e-004	5.6900e-003		84.1909	84.1909	3.6200e-003		84.2814
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0546	0.0326	0.4216	1.2600e-003	0.1232	7.9000e-004	0.1240	0.0327	7.3000e-004	0.0334		125.4133	125.4133	3.0700e-003		125.4901
<b>Total</b>	<b>0.0627</b>	<b>0.3172</b>	<b>0.4743</b>	<b>2.0500e-003</b>	<b>0.1407</b>	<b>1.7400e-003</b>	<b>0.1424</b>	<b>0.0375</b>	<b>1.6400e-003</b>	<b>0.0391</b>		<b>209.6042</b>	<b>209.6042</b>	<b>6.6900e-003</b>		<b>209.7715</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
<b>Total</b>	<b>3.3121</b>	<b>33.2010</b>	<b>21.7532</b>	<b>0.0388</b>		<b>1.6587</b>	<b>1.6587</b>		<b>1.5419</b>	<b>1.5419</b>	<b>0.0000</b>	<b>3,747.7049</b>	<b>3,747.7049</b>	<b>1.0580</b>		<b>3,774.1536</b>

## North Campus School Construction and Operations - Contra Costa County, Summer

**3.2 Demolition - 2020****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	8.1600e-003	0.2846	0.0528	7.9000e-004	0.0175	9.5000e-004	0.0184	4.7900e-003	9.1000e-004	5.6900e-003		84.1909	84.1909	3.6200e-003		84.2814
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0546	0.0326	0.4216	1.2600e-003	0.1232	7.9000e-004	0.1240	0.0327	7.3000e-004	0.0334		125.4133	125.4133	3.0700e-003		125.4901
<b>Total</b>	<b>0.0627</b>	<b>0.3172</b>	<b>0.4743</b>	<b>2.0500e-003</b>	<b>0.1407</b>	<b>1.7400e-003</b>	<b>0.1424</b>	<b>0.0375</b>	<b>1.6400e-003</b>	<b>0.0391</b>		<b>209.6042</b>	<b>209.6042</b>	<b>6.6900e-003</b>		<b>209.7715</b>

**3.3 Site Preparation - 2020****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
<b>Total</b>	<b>4.0765</b>	<b>42.4173</b>	<b>21.5136</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.1974</b>	<b>20.2637</b>	<b>9.9307</b>	<b>2.0216</b>	<b>11.9523</b>		<b>3,685.1016</b>	<b>3,685.1016</b>	<b>1.1918</b>		<b>3,714.8975</b>

## North Campus School Construction and Operations - Contra Costa County, Summer

**3.3 Site Preparation - 2020****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0655	0.0391	0.5059	1.5100e-003	0.1479	9.5000e-004	0.1488	0.0392	8.8000e-004	0.0401		150.4960	150.4960	3.6800e-003		150.5881
<b>Total</b>	<b>0.0655</b>	<b>0.0391</b>	<b>0.5059</b>	<b>1.5100e-003</b>	<b>0.1479</b>	<b>9.5000e-004</b>	<b>0.1488</b>	<b>0.0392</b>	<b>8.8000e-004</b>	<b>0.0401</b>		<b>150.4960</b>	<b>150.4960</b>	<b>3.6800e-003</b>		<b>150.5881</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
<b>Total</b>	<b>4.0765</b>	<b>42.4173</b>	<b>21.5136</b>	<b>0.0380</b>	<b>8.1298</b>	<b>2.1974</b>	<b>10.3272</b>	<b>4.4688</b>	<b>2.0216</b>	<b>6.4904</b>	<b>0.0000</b>	<b>3,685.1016</b>	<b>3,685.1016</b>	<b>1.1918</b>		<b>3,714.8975</b>

## North Campus School Construction and Operations - Contra Costa County, Summer

**3.3 Site Preparation - 2020****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0655	0.0391	0.5059	1.5100e-003	0.1479	9.5000e-004	0.1488	0.0392	8.8000e-004	0.0401		150.4960	150.4960	3.6800e-003		150.5881
<b>Total</b>	<b>0.0655</b>	<b>0.0391</b>	<b>0.5059</b>	<b>1.5100e-003</b>	<b>0.1479</b>	<b>9.5000e-004</b>	<b>0.1488</b>	<b>0.0392</b>	<b>8.8000e-004</b>	<b>0.0401</b>		<b>150.4960</b>	<b>150.4960</b>	<b>3.6800e-003</b>		<b>150.5881</b>

**3.4 Grading - 2020****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5649	0.0000	6.5649	3.3694	0.0000	3.3694			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716		2,872.4851	2,872.4851	0.9290		2,895.7106
<b>Total</b>	<b>2.4288</b>	<b>26.3859</b>	<b>16.0530</b>	<b>0.0297</b>	<b>6.5649</b>	<b>1.2734</b>	<b>7.8383</b>	<b>3.3694</b>	<b>1.1716</b>	<b>4.5409</b>		<b>2,872.4851</b>	<b>2,872.4851</b>	<b>0.9290</b>		<b>2,895.7106</b>



## North Campus School Construction and Operations - Contra Costa County, Summer

**3.4 Grading - 2020****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1134	3.9558	0.7337	0.0110	0.2428	0.0132	0.2560	0.0665	0.0126	0.0791		1,170.253 3	1,170.253 3	0.0503		1,171.5114
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0546	0.0326	0.4216	1.2600e-003	0.1232	7.9000e-004	0.1240	0.0327	7.3000e-004	0.0334		125.4133	125.4133	3.0700e-003		125.4901
<b>Total</b>	<b>0.1680</b>	<b>3.9883</b>	<b>1.1552</b>	<b>0.0123</b>	<b>0.3660</b>	<b>0.0140</b>	<b>0.3800</b>	<b>0.0992</b>	<b>0.0133</b>	<b>0.1126</b>		<b>1,295.666 6</b>	<b>1,295.666 6</b>	<b>0.0534</b>		<b>1,297.001 4</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.9542	0.0000	2.9542	1.5162	0.0000	1.5162			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716	0.0000	2,872.485 1	2,872.485 1	0.9290		2,895.710 6
<b>Total</b>	<b>2.4288</b>	<b>26.3859</b>	<b>16.0530</b>	<b>0.0297</b>	<b>2.9542</b>	<b>1.2734</b>	<b>4.2276</b>	<b>1.5162</b>	<b>1.1716</b>	<b>2.6878</b>	<b>0.0000</b>	<b>2,872.485 1</b>	<b>2,872.485 1</b>	<b>0.9290</b>		<b>2,895.710 6</b>

## North Campus School Construction and Operations - Contra Costa County, Summer

**3.4 Grading - 2020****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1134	3.9558	0.7337	0.0110	0.2428	0.0132	0.2560	0.0665	0.0126	0.0791		1,170.253 3	1,170.253 3	0.0503		1,171.5114
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0546	0.0326	0.4216	1.2600e-003	0.1232	7.9000e-004	0.1240	0.0327	7.3000e-004	0.0334		125.4133	125.4133	3.0700e-003		125.4901
<b>Total</b>	<b>0.1680</b>	<b>3.9883</b>	<b>1.1552</b>	<b>0.0123</b>	<b>0.3660</b>	<b>0.0140</b>	<b>0.3800</b>	<b>0.0992</b>	<b>0.0133</b>	<b>0.1126</b>		<b>1,295.666 6</b>	<b>1,295.666 6</b>	<b>0.0534</b>		<b>1,297.001 4</b>

**3.5 Building Construction - 2020****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1592	19.8259	17.9364	0.0286		1.1313	1.1313		1.0634	1.0634		2,714.738 7	2,714.738 7	0.6752		2,731.617 3
<b>Total</b>	<b>2.1592</b>	<b>19.8259</b>	<b>17.9364</b>	<b>0.0286</b>		<b>1.1313</b>	<b>1.1313</b>		<b>1.0634</b>	<b>1.0634</b>		<b>2,714.738 7</b>	<b>2,714.738 7</b>	<b>0.6752</b>		<b>2,731.617 3</b>

## North Campus School Construction and Operations - Contra Costa County, Summer

**3.5 Building Construction - 2020****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0905	2.6065	0.6348	6.3400e-003	0.1557	0.0134	0.1691	0.0448	0.0128	0.0576		668.5158	668.5158	0.0312		669.2951
Worker	0.2183	0.1303	1.6862	5.0300e-003	0.4929	3.1800e-003	0.4961	0.1307	2.9300e-003	0.1337		501.6532	501.6532	0.0123		501.9603
<b>Total</b>	<b>0.3087</b>	<b>2.7368</b>	<b>2.3210</b>	<b>0.0114</b>	<b>0.6486</b>	<b>0.0166</b>	<b>0.6651</b>	<b>0.1756</b>	<b>0.0157</b>	<b>0.1913</b>		<b>1,170.1690</b>	<b>1,170.1690</b>	<b>0.0435</b>		<b>1,171.2554</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1592	19.8259	17.9364	0.0286		1.1313	1.1313		1.0634	1.0634	0.0000	2,714.7387	2,714.7387	0.6752		2,731.6173
<b>Total</b>	<b>2.1592</b>	<b>19.8259</b>	<b>17.9364</b>	<b>0.0286</b>		<b>1.1313</b>	<b>1.1313</b>		<b>1.0634</b>	<b>1.0634</b>	<b>0.0000</b>	<b>2,714.7387</b>	<b>2,714.7387</b>	<b>0.6752</b>		<b>2,731.6173</b>

## North Campus School Construction and Operations - Contra Costa County, Summer

**3.5 Building Construction - 2020****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0905	2.6065	0.6348	6.3400e-003	0.1557	0.0134	0.1691	0.0448	0.0128	0.0576		668.5158	668.5158	0.0312		669.2951
Worker	0.2183	0.1303	1.6862	5.0300e-003	0.4929	3.1800e-003	0.4961	0.1307	2.9300e-003	0.1337		501.6532	501.6532	0.0123		501.9603
<b>Total</b>	<b>0.3087</b>	<b>2.7368</b>	<b>2.3210</b>	<b>0.0114</b>	<b>0.6486</b>	<b>0.0166</b>	<b>0.6651</b>	<b>0.1756</b>	<b>0.0157</b>	<b>0.1913</b>		<b>1,170.1690</b>	<b>1,170.1690</b>	<b>0.0435</b>		<b>1,171.2554</b>

**3.5 Building Construction - 2021****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9382	18.0292	17.6629	0.0286		0.9700	0.9700		0.9118	0.9118		2,715.0395	2,715.0395	0.6683		2,731.7471
<b>Total</b>	<b>1.9382</b>	<b>18.0292</b>	<b>17.6629</b>	<b>0.0286</b>		<b>0.9700</b>	<b>0.9700</b>		<b>0.9118</b>	<b>0.9118</b>		<b>2,715.0395</b>	<b>2,715.0395</b>	<b>0.6683</b>		<b>2,731.7471</b>

## North Campus School Construction and Operations - Contra Costa County, Summer

**3.5 Building Construction - 2021****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0736	2.3527	0.5634	6.2800e-003	0.1557	5.2600e-003	0.1609	0.0448	5.0300e-003	0.0498		662.5187	662.5187	0.0292		663.2497
Worker	0.2015	0.1163	1.5413	4.8500e-003	0.4929	3.0900e-003	0.4960	0.1307	2.8500e-003	0.1336		483.8622	483.8622	0.0110		484.1366
<b>Total</b>	<b>0.2751</b>	<b>2.4689</b>	<b>2.1047</b>	<b>0.0111</b>	<b>0.6486</b>	<b>8.3500e-003</b>	<b>0.6569</b>	<b>0.1756</b>	<b>7.8800e-003</b>	<b>0.1834</b>		<b>1,146.3809</b>	<b>1,146.3809</b>	<b>0.0402</b>		<b>1,147.3863</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9382	18.0292	17.6629	0.0286		0.9700	0.9700		0.9118	0.9118	0.0000	2,715.0395	2,715.0395	0.6683		2,731.7471
<b>Total</b>	<b>1.9382</b>	<b>18.0292</b>	<b>17.6629</b>	<b>0.0286</b>		<b>0.9700</b>	<b>0.9700</b>		<b>0.9118</b>	<b>0.9118</b>	<b>0.0000</b>	<b>2,715.0395</b>	<b>2,715.0395</b>	<b>0.6683</b>		<b>2,731.7471</b>

## North Campus School Construction and Operations - Contra Costa County, Summer

**3.5 Building Construction - 2021****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0736	2.3527	0.5634	6.2800e-003	0.1557	5.2600e-003	0.1609	0.0448	5.0300e-003	0.0498		662.5187	662.5187	0.0292		663.2497
Worker	0.2015	0.1163	1.5413	4.8500e-003	0.4929	3.0900e-003	0.4960	0.1307	2.8500e-003	0.1336		483.8622	483.8622	0.0110		484.1366
<b>Total</b>	<b>0.2751</b>	<b>2.4689</b>	<b>2.1047</b>	<b>0.0111</b>	<b>0.6486</b>	<b>8.3500e-003</b>	<b>0.6569</b>	<b>0.1756</b>	<b>7.8800e-003</b>	<b>0.1834</b>		<b>1,146.3809</b>	<b>1,146.3809</b>	<b>0.0402</b>		<b>1,147.3863</b>

**3.6 Paving - 2021****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8645	18.2088	18.2756	0.0361		0.8718	0.8718		0.8020	0.8020		3,492.1265	3,492.1265	1.1294		3,520.3621
Paving	0.1061					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.9706</b>	<b>18.2088</b>	<b>18.2756</b>	<b>0.0361</b>		<b>0.8718</b>	<b>0.8718</b>		<b>0.8020</b>	<b>0.8020</b>		<b>3,492.1265</b>	<b>3,492.1265</b>	<b>1.1294</b>		<b>3,520.3621</b>

## North Campus School Construction and Operations - Contra Costa County, Summer

**3.6 Paving - 2021****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0604	0.0349	0.4624	1.4600e-003	0.1479	9.3000e-004	0.1488	0.0392	8.5000e-004	0.0401		145.1587	145.1587	3.2900e-003		145.2410
<b>Total</b>	<b>0.0604</b>	<b>0.0349</b>	<b>0.4624</b>	<b>1.4600e-003</b>	<b>0.1479</b>	<b>9.3000e-004</b>	<b>0.1488</b>	<b>0.0392</b>	<b>8.5000e-004</b>	<b>0.0401</b>		<b>145.1587</b>	<b>145.1587</b>	<b>3.2900e-003</b>		<b>145.2410</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8645	18.2088	18.2756	0.0361		0.8718	0.8718		0.8020	0.8020	0.0000	3,492.1265	3,492.1265	1.1294		3,520.3621
Paving	0.1061					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.9706</b>	<b>18.2088</b>	<b>18.2756</b>	<b>0.0361</b>		<b>0.8718</b>	<b>0.8718</b>		<b>0.8020</b>	<b>0.8020</b>	<b>0.0000</b>	<b>3,492.1265</b>	<b>3,492.1265</b>	<b>1.1294</b>		<b>3,520.3621</b>

## North Campus School Construction and Operations - Contra Costa County, Summer

**3.6 Paving - 2021****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0604	0.0349	0.4624	1.4600e-003	0.1479	9.3000e-004	0.1488	0.0392	8.5000e-004	0.0401		145.1587	145.1587	3.2900e-003		145.2410
<b>Total</b>	<b>0.0604</b>	<b>0.0349</b>	<b>0.4624</b>	<b>1.4600e-003</b>	<b>0.1479</b>	<b>9.3000e-004</b>	<b>0.1488</b>	<b>0.0392</b>	<b>8.5000e-004</b>	<b>0.0401</b>		<b>145.1587</b>	<b>145.1587</b>	<b>3.2900e-003</b>		<b>145.2410</b>

**3.7 Architectural Coating - 2021****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	55.9219					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
<b>Total</b>	<b>56.1408</b>	<b>1.5268</b>	<b>1.8176</b>	<b>2.9700e-003</b>		<b>0.0941</b>	<b>0.0941</b>		<b>0.0941</b>	<b>0.0941</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0193</b>		<b>281.9309</b>



## North Campus School Construction and Operations - Contra Costa County, Summer

**3.7 Architectural Coating - 2021****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0403	0.0233	0.3083	9.7000e-004	0.0986	6.2000e-004	0.0992	0.0262	5.7000e-004	0.0267		96.7724	96.7724	2.2000e-003		96.8273
<b>Total</b>	<b>0.0403</b>	<b>0.0233</b>	<b>0.3083</b>	<b>9.7000e-004</b>	<b>0.0986</b>	<b>6.2000e-004</b>	<b>0.0992</b>	<b>0.0262</b>	<b>5.7000e-004</b>	<b>0.0267</b>		<b>96.7724</b>	<b>96.7724</b>	<b>2.2000e-003</b>		<b>96.8273</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	55.9219					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
<b>Total</b>	<b>56.1408</b>	<b>1.5268</b>	<b>1.8176</b>	<b>2.9700e-003</b>		<b>0.0941</b>	<b>0.0941</b>		<b>0.0941</b>	<b>0.0941</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0193</b>		<b>281.9309</b>

## North Campus School Construction and Operations - Contra Costa County, Summer

**3.7 Architectural Coating - 2021****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0403	0.0233	0.3083	9.7000e-004	0.0986	6.2000e-004	0.0992	0.0262	5.7000e-004	0.0267		96.7724	96.7724	2.2000e-003		96.8273
<b>Total</b>	<b>0.0403</b>	<b>0.0233</b>	<b>0.3083</b>	<b>9.7000e-004</b>	<b>0.0986</b>	<b>6.2000e-004</b>	<b>0.0992</b>	<b>0.0262</b>	<b>5.7000e-004</b>	<b>0.0267</b>		<b>96.7724</b>	<b>96.7724</b>	<b>2.2000e-003</b>		<b>96.8273</b>

**4.0 Operational Detail - Mobile****4.1 Mitigation Measures Mobile**

## North Campus School Construction and Operations - Contra Costa County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.5329	9.2853	25.2177	0.0845	6.9628	0.0687	7.0314	1.8630	0.0642	1.9272		8,521.2897	8,521.2897	0.3023		8,528.8467
Unmitigated	2.5329	9.2853	25.2177	0.0845	6.9628	0.0687	7.0314	1.8630	0.0642	1.9272		8,521.2897	8,521.2897	0.3023		8,528.8467

## 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior High School	1,458.00	0.00	0.00	2,341,334	2,341,334
Parking Lot	0.00	0.00	0.00		
Total	1,458.00	0.00	0.00	2,341,334	2,341,334

## 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior High School	9.50	7.30	7.30	72.80	22.20	5.00	63	25	12
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

## 4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior High School	0.582298	0.039109	0.186022	0.123408	0.017184	0.005083	0.010615	0.023794	0.001605	0.001810	0.005454	0.002746	0.000871
Parking Lot	0.582298	0.039109	0.186022	0.123408	0.017184	0.005083	0.010615	0.023794	0.001605	0.001810	0.005454	0.002746	0.000871

## North Campus School Construction and Operations - Contra Costa County, Summer

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0515	0.4681	0.3932	2.8100e-003		0.0356	0.0356		0.0356	0.0356		561.6815	561.6815	0.0108	0.0103	565.0193
NaturalGas Unmitigated	0.0515	0.4681	0.3932	2.8100e-003		0.0356	0.0356		0.0356	0.0356		561.6815	561.6815	0.0108	0.0103	565.0193

## North Campus School Construction and Operations - Contra Costa County, Summer

**5.2 Energy by Land Use - NaturalGas****Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior High School	4774.29	0.0515	0.4681	0.3932	2.8100e-003		0.0356	0.0356		0.0356	0.0356		561.6815	561.6815	0.0108	0.0103	565.0193
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0515</b>	<b>0.4681</b>	<b>0.3932</b>	<b>2.8100e-003</b>		<b>0.0356</b>	<b>0.0356</b>		<b>0.0356</b>	<b>0.0356</b>		<b>561.6815</b>	<b>561.6815</b>	<b>0.0108</b>	<b>0.0103</b>	<b>565.0193</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior High School	4.77429	0.0515	0.4681	0.3932	2.8100e-003		0.0356	0.0356		0.0356	0.0356		561.6815	561.6815	0.0108	0.0103	565.0193
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0515</b>	<b>0.4681</b>	<b>0.3932</b>	<b>2.8100e-003</b>		<b>0.0356</b>	<b>0.0356</b>		<b>0.0356</b>	<b>0.0356</b>		<b>561.6815</b>	<b>561.6815</b>	<b>0.0108</b>	<b>0.0103</b>	<b>565.0193</b>

**6.0 Area Detail****6.1 Mitigation Measures Area**

## North Campus School Construction and Operations - Contra Costa County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.5929	9.3000e-004	0.1015	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004		0.2167	0.2167	5.8000e-004		0.2311
Unmitigated	2.5929	9.3000e-004	0.1015	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004		0.2167	0.2167	5.8000e-004		0.2311

## 6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3064					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.2770					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.4800e-003	9.3000e-004	0.1015	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004		0.2167	0.2167	5.8000e-004		0.2311
<b>Total</b>	<b>2.5929</b>	<b>9.3000e-004</b>	<b>0.1015</b>	<b>1.0000e-005</b>		<b>3.6000e-004</b>	<b>3.6000e-004</b>		<b>3.6000e-004</b>	<b>3.6000e-004</b>		<b>0.2167</b>	<b>0.2167</b>	<b>5.8000e-004</b>		<b>0.2311</b>

## North Campus School Construction and Operations - Contra Costa County, Summer

**6.2 Area by SubCategory****Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3064					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.2770					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.4800e-003	9.3000e-004	0.1015	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004		0.2167	0.2167	5.8000e-004		0.2311
<b>Total</b>	<b>2.5929</b>	<b>9.3000e-004</b>	<b>0.1015</b>	<b>1.0000e-005</b>		<b>3.6000e-004</b>	<b>3.6000e-004</b>		<b>3.6000e-004</b>	<b>3.6000e-004</b>		<b>0.2167</b>	<b>0.2167</b>	<b>5.8000e-004</b>		<b>0.2311</b>

**7.0 Water Detail****7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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**10.0 Stationary Equipment****Fire Pumps and Emergency Generators**

## North Campus School Construction and Operations - Contra Costa County, Summer

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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## North Campus School Construction and Operations - Contra Costa County, Winter

## North Campus School Construction and Operations

### Contra Costa County, Winter

## 1.0 Project Characteristics

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### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior High School	900.00	Student	8.31	105,805.52	0
Parking Lot	90.00	Space	0.81	36,000.00	0

### 1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	5			Operational Year	2021
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	294	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

### 1.3 User Entered Comments & Non-Default Data

## North Campus School Construction and Operations - Contra Costa County, Winter

Project Characteristics - PG&E 2016 CO2 intensity per 2018 CRSR

Land Use - Project acreage based on 397,267 square foot project site. Default square feet for school.

Construction Phase - Default construction phasing, assumes an approximate 14 month construction schedule. Operational anticipated in Fall 2021.

Off-road Equipment - Default equipment.

Off-road Equipment - Default equipment.

Off-road Equipment - Default equipment.

Off-road Equipment - Default equipment supplemented by project specific equipment list.

Off-road Equipment - Default equipment supplemented by project specific equipment.

Off-road Equipment - Default equipment.

Grading - Assumes a preliminary estimate of 2,222 CY of cut/fill.

Demolition - No on-site demolition. Assumes portable buildings will be removed from site on truck-trailers.

Trips and VMT - Default worker and vendor trips. Additional haul truck trips added during demolition phase to account for removal of 10 portable buildings.

Energy Use -

Construction Off-road Equipment Mitigation - Fugitive dust control of watering twice per day and 15 mph on unpaved roads.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblGrading	MaterialExported	0.00	2,222.00
tblLandUse	LotAcreage	2.43	8.31
tblOffRoadEquipment	LoadFactor	0.31	0.31
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblProjectCharacteristics	CO2IntensityFactor	641.35	294
tblTripsAndVMT	HaulingTripNumber	0.00	20.00

## 2.0 Emissions Summary

## North Campus School Construction and Operations - Contra Costa County, Winter

**2.1 Overall Construction (Maximum Daily Emission)****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.1428	42.4656	22.1968	0.0416	18.2141	2.1984	20.4125	9.9699	2.0225	11.9924	0.0000	4,136.344 8	4,136.344 8	1.1952	0.0000	4,160.977 9
2021	56.1816	20.5452	19.7212	0.0391	0.6486	0.9785	1.6271	0.1756	0.9198	1.0953	0.0000	3,798.989 6	3,798.989 6	1.1324	0.0000	3,816.747 2
Maximum	56.1816	42.4656	22.1968	0.0416	18.2141	2.1984	20.4125	9.9699	2.0225	11.9924	0.0000	4,136.344 8	4,136.344 8	1.1952	0.0000	4,160.977 9

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.1428	42.4656	22.1968	0.0416	8.2777	2.1984	10.4761	4.5080	2.0225	6.5305	0.0000	4,136.344 8	4,136.344 8	1.1952	0.0000	4,160.977 9
2021	56.1816	20.5452	19.7212	0.0391	0.6486	0.9785	1.6271	0.1756	0.9198	1.0953	0.0000	3,798.989 6	3,798.989 6	1.1324	0.0000	3,816.747 2
Maximum	56.1816	42.4656	22.1968	0.0416	8.2777	2.1984	10.4761	4.5080	2.0225	6.5305	0.0000	4,136.344 8	4,136.344 8	1.1952	0.0000	4,160.977 9

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	52.68	0.00	45.08	53.84	0.00	41.73	0.00	0.00	0.00	0.00	0.00	0.00

## North Campus School Construction and Operations - Contra Costa County, Winter

**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.5929	9.3000e-004	0.1015	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004		0.2167	0.2167	5.8000e-004		0.2311
Energy	0.0515	0.4681	0.3932	2.8100e-003		0.0356	0.0356		0.0356	0.0356		561.6815	561.6815	0.0108	0.0103	565.0193
Mobile	2.0819	9.7831	25.1326	0.0780	6.9628	0.0692	7.0320	1.8630	0.0648	1.9277		7,861.0775	7,861.0775	0.3073		7,868.7590
<b>Total</b>	<b>4.7263</b>	<b>10.2521</b>	<b>25.6272</b>	<b>0.0808</b>	<b>6.9628</b>	<b>0.1052</b>	<b>7.0679</b>	<b>1.8630</b>	<b>0.1007</b>	<b>1.9637</b>		<b>8,422.9757</b>	<b>8,422.9757</b>	<b>0.3186</b>	<b>0.0103</b>	<b>8,434.0094</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.5929	9.3000e-004	0.1015	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004		0.2167	0.2167	5.8000e-004		0.2311
Energy	0.0515	0.4681	0.3932	2.8100e-003		0.0356	0.0356		0.0356	0.0356		561.6815	561.6815	0.0108	0.0103	565.0193
Mobile	2.0819	9.7831	25.1326	0.0780	6.9628	0.0692	7.0320	1.8630	0.0648	1.9277		7,861.0775	7,861.0775	0.3073		7,868.7590
<b>Total</b>	<b>4.7263</b>	<b>10.2521</b>	<b>25.6272</b>	<b>0.0808</b>	<b>6.9628</b>	<b>0.1052</b>	<b>7.0679</b>	<b>1.8630</b>	<b>0.1007</b>	<b>1.9637</b>		<b>8,422.9757</b>	<b>8,422.9757</b>	<b>0.3186</b>	<b>0.0103</b>	<b>8,434.0094</b>

## North Campus School Construction and Operations - Contra Costa County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**3.0 Construction Detail****Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/22/2020	7/17/2020	5	20	
2	Site Preparation	Site Preparation	7/18/2020	7/31/2020	5	10	
3	Grading	Grading	8/1/2020	8/28/2020	5	20	
4	Building Construction	Building Construction	8/29/2020	7/16/2021	5	230	
5	Paving	Paving	7/17/2021	8/13/2021	5	20	
6	Architectural Coating	Architectural Coating	8/14/2021	9/10/2021	5	20	

**Acres of Grading (Site Preparation Phase): 0****Acres of Grading (Grading Phase): 10****Acres of Paving: 0.81****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 158,708; Non-Residential Outdoor: 52,903; Striped Parking Area: 2,160 (Architectural Coating – sqft)****OffRoad Equipment**

## North Campus School Construction and Operations - Contra Costa County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	1	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Welders	1	8.00	46	0.45
Building Construction	Aerial Lifts	1	8.00	63	0.31
Paving	Off-Highway Trucks	1	8.00	402	0.38

Trips and VMT

## North Campus School Construction and Operations - Contra Costa County, Winter

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	20.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	278.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	10	60.00	23.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	12.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

**3.2 Demolition - 2020****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
<b>Total</b>	<b>3.3121</b>	<b>33.2010</b>	<b>21.7532</b>	<b>0.0388</b>		<b>1.6587</b>	<b>1.6587</b>		<b>1.5419</b>	<b>1.5419</b>		<b>3,747.7049</b>	<b>3,747.7049</b>	<b>1.0580</b>		<b>3,774.1536</b>

## North Campus School Construction and Operations - Contra Costa County, Winter

**3.2 Demolition - 2020****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	8.3900e-003	0.2913	0.0572	7.8000e-004	0.0175	9.6000e-004	0.0184	4.7900e-003	9.2000e-004	5.7100e-003		82.7506	82.7506	3.8500e-003		82.8468
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0553	0.0402	0.3864	1.1400e-003	0.1232	7.9000e-004	0.1240	0.0327	7.3000e-004	0.0334		113.6264	113.6264	2.8200e-003		113.6970
<b>Total</b>	<b>0.0637</b>	<b>0.3314</b>	<b>0.4436</b>	<b>1.9200e-003</b>	<b>0.1407</b>	<b>1.7500e-003</b>	<b>0.1425</b>	<b>0.0375</b>	<b>1.6500e-003</b>	<b>0.0391</b>		<b>196.3770</b>	<b>196.3770</b>	<b>6.6700e-003</b>		<b>196.5438</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
<b>Total</b>	<b>3.3121</b>	<b>33.2010</b>	<b>21.7532</b>	<b>0.0388</b>		<b>1.6587</b>	<b>1.6587</b>		<b>1.5419</b>	<b>1.5419</b>	<b>0.0000</b>	<b>3,747.7049</b>	<b>3,747.7049</b>	<b>1.0580</b>		<b>3,774.1536</b>



## North Campus School Construction and Operations - Contra Costa County, Winter

**3.2 Demolition - 2020****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	8.3900e-003	0.2913	0.0572	7.8000e-004	0.0175	9.6000e-004	0.0184	4.7900e-003	9.2000e-004	5.7100e-003		82.7506	82.7506	3.8500e-003		82.8468
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0553	0.0402	0.3864	1.1400e-003	0.1232	7.9000e-004	0.1240	0.0327	7.3000e-004	0.0334		113.6264	113.6264	2.8200e-003		113.6970
<b>Total</b>	<b>0.0637</b>	<b>0.3314</b>	<b>0.4436</b>	<b>1.9200e-003</b>	<b>0.1407</b>	<b>1.7500e-003</b>	<b>0.1425</b>	<b>0.0375</b>	<b>1.6500e-003</b>	<b>0.0391</b>		<b>196.3770</b>	<b>196.3770</b>	<b>6.6700e-003</b>		<b>196.5438</b>

**3.3 Site Preparation - 2020****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
<b>Total</b>	<b>4.0765</b>	<b>42.4173</b>	<b>21.5136</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.1974</b>	<b>20.2637</b>	<b>9.9307</b>	<b>2.0216</b>	<b>11.9523</b>		<b>3,685.1016</b>	<b>3,685.1016</b>	<b>1.1918</b>		<b>3,714.8975</b>

## North Campus School Construction and Operations - Contra Costa County, Winter

**3.3 Site Preparation - 2020****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0664	0.0482	0.4637	1.3700e-003	0.1479	9.5000e-004	0.1488	0.0392	8.8000e-004	0.0401		136.3517	136.3517	3.3900e-003		136.4364
<b>Total</b>	<b>0.0664</b>	<b>0.0482</b>	<b>0.4637</b>	<b>1.3700e-003</b>	<b>0.1479</b>	<b>9.5000e-004</b>	<b>0.1488</b>	<b>0.0392</b>	<b>8.8000e-004</b>	<b>0.0401</b>		<b>136.3517</b>	<b>136.3517</b>	<b>3.3900e-003</b>		<b>136.4364</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
<b>Total</b>	<b>4.0765</b>	<b>42.4173</b>	<b>21.5136</b>	<b>0.0380</b>	<b>8.1298</b>	<b>2.1974</b>	<b>10.3272</b>	<b>4.4688</b>	<b>2.0216</b>	<b>6.4904</b>	<b>0.0000</b>	<b>3,685.1016</b>	<b>3,685.1016</b>	<b>1.1918</b>		<b>3,714.8975</b>

## North Campus School Construction and Operations - Contra Costa County, Winter

**3.3 Site Preparation - 2020****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0664	0.0482	0.4637	1.3700e-003	0.1479	9.5000e-004	0.1488	0.0392	8.8000e-004	0.0401		136.3517	136.3517	3.3900e-003		136.4364
<b>Total</b>	<b>0.0664</b>	<b>0.0482</b>	<b>0.4637</b>	<b>1.3700e-003</b>	<b>0.1479</b>	<b>9.5000e-004</b>	<b>0.1488</b>	<b>0.0392</b>	<b>8.8000e-004</b>	<b>0.0401</b>		<b>136.3517</b>	<b>136.3517</b>	<b>3.3900e-003</b>		<b>136.4364</b>

**3.4 Grading - 2020****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5649	0.0000	6.5649	3.3694	0.0000	3.3694			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716		2,872.4851	2,872.4851	0.9290		2,895.7106
<b>Total</b>	<b>2.4288</b>	<b>26.3859</b>	<b>16.0530</b>	<b>0.0297</b>	<b>6.5649</b>	<b>1.2734</b>	<b>7.8383</b>	<b>3.3694</b>	<b>1.1716</b>	<b>4.5409</b>		<b>2,872.4851</b>	<b>2,872.4851</b>	<b>0.9290</b>		<b>2,895.7106</b>

## North Campus School Construction and Operations - Contra Costa County, Winter

**3.4 Grading - 2020****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1166	4.0486	0.7953	0.0108	0.2428	0.0134	0.2562	0.0665	0.0128	0.0793		1,150.233 3	1,150.233 3	0.0535		1,151.570 3
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0553	0.0402	0.3864	1.1400e-003	0.1232	7.9000e-004	0.1240	0.0327	7.3000e-004	0.0334		113.6264	113.6264	2.8200e-003		113.6970
<b>Total</b>	<b>0.1719</b>	<b>4.0887</b>	<b>1.1817</b>	<b>0.0120</b>	<b>0.3660</b>	<b>0.0142</b>	<b>0.3802</b>	<b>0.0992</b>	<b>0.0136</b>	<b>0.1128</b>		<b>1,263.859 7</b>	<b>1,263.859 7</b>	<b>0.0563</b>		<b>1,265.267 3</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.9542	0.0000	2.9542	1.5162	0.0000	1.5162			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716	0.0000	2,872.485 1	2,872.485 1	0.9290		2,895.710 6
<b>Total</b>	<b>2.4288</b>	<b>26.3859</b>	<b>16.0530</b>	<b>0.0297</b>	<b>2.9542</b>	<b>1.2734</b>	<b>4.2276</b>	<b>1.5162</b>	<b>1.1716</b>	<b>2.6878</b>	<b>0.0000</b>	<b>2,872.485 1</b>	<b>2,872.485 1</b>	<b>0.9290</b>		<b>2,895.710 6</b>

## North Campus School Construction and Operations - Contra Costa County, Winter

**3.4 Grading - 2020****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1166	4.0486	0.7953	0.0108	0.2428	0.0134	0.2562	0.0665	0.0128	0.0793		1,150.233 3	1,150.233 3	0.0535		1,151.570 3
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0553	0.0402	0.3864	1.1400e-003	0.1232	7.9000e-004	0.1240	0.0327	7.3000e-004	0.0334		113.6264	113.6264	2.8200e-003		113.6970
<b>Total</b>	<b>0.1719</b>	<b>4.0887</b>	<b>1.1817</b>	<b>0.0120</b>	<b>0.3660</b>	<b>0.0142</b>	<b>0.3802</b>	<b>0.0992</b>	<b>0.0136</b>	<b>0.1128</b>		<b>1,263.859 7</b>	<b>1,263.859 7</b>	<b>0.0563</b>		<b>1,265.267 3</b>

**3.5 Building Construction - 2020****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1592	19.8259	17.9364	0.0286		1.1313	1.1313		1.0634	1.0634		2,714.738 7	2,714.738 7	0.6752		2,731.617 3
<b>Total</b>	<b>2.1592</b>	<b>19.8259</b>	<b>17.9364</b>	<b>0.0286</b>		<b>1.1313</b>	<b>1.1313</b>		<b>1.0634</b>	<b>1.0634</b>		<b>2,714.738 7</b>	<b>2,714.738 7</b>	<b>0.6752</b>		<b>2,731.617 3</b>

## North Campus School Construction and Operations - Contra Costa County, Winter

**3.5 Building Construction - 2020****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0953	2.6357	0.7294	6.1800e-003	0.1557	0.0136	0.1693	0.0448	0.0130	0.0578		651.4476	651.4476	0.0340		652.2980
Worker	0.2212	0.1607	1.5455	4.5600e-003	0.4929	3.1800e-003	0.4961	0.1307	2.9300e-003	0.1337		454.5056	454.5056	0.0113		454.7879
<b>Total</b>	<b>0.3164</b>	<b>2.7964</b>	<b>2.2749</b>	<b>0.0107</b>	<b>0.6486</b>	<b>0.0168</b>	<b>0.6653</b>	<b>0.1756</b>	<b>0.0159</b>	<b>0.1915</b>		<b>1,105.9533</b>	<b>1,105.9533</b>	<b>0.0453</b>		<b>1,107.0859</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1592	19.8259	17.9364	0.0286		1.1313	1.1313		1.0634	1.0634	0.0000	2,714.7387	2,714.7387	0.6752		2,731.6173
<b>Total</b>	<b>2.1592</b>	<b>19.8259</b>	<b>17.9364</b>	<b>0.0286</b>		<b>1.1313</b>	<b>1.1313</b>		<b>1.0634</b>	<b>1.0634</b>	<b>0.0000</b>	<b>2,714.7387</b>	<b>2,714.7387</b>	<b>0.6752</b>		<b>2,731.6173</b>

## North Campus School Construction and Operations - Contra Costa County, Winter

**3.5 Building Construction - 2020****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0953	2.6357	0.7294	6.1800e-003	0.1557	0.0136	0.1693	0.0448	0.0130	0.0578		651.4476	651.4476	0.0340		652.2980
Worker	0.2212	0.1607	1.5455	4.5600e-003	0.4929	3.1800e-003	0.4961	0.1307	2.9300e-003	0.1337		454.5056	454.5056	0.0113		454.7879
<b>Total</b>	<b>0.3164</b>	<b>2.7964</b>	<b>2.2749</b>	<b>0.0107</b>	<b>0.6486</b>	<b>0.0168</b>	<b>0.6653</b>	<b>0.1756</b>	<b>0.0159</b>	<b>0.1915</b>		<b>1,105.9533</b>	<b>1,105.9533</b>	<b>0.0453</b>		<b>1,107.0859</b>

**3.5 Building Construction - 2021****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9382	18.0292	17.6629	0.0286		0.9700	0.9700		0.9118	0.9118		2,715.0395	2,715.0395	0.6683		2,731.7471
<b>Total</b>	<b>1.9382</b>	<b>18.0292</b>	<b>17.6629</b>	<b>0.0286</b>		<b>0.9700</b>	<b>0.9700</b>		<b>0.9118</b>	<b>0.9118</b>		<b>2,715.0395</b>	<b>2,715.0395</b>	<b>0.6683</b>		<b>2,731.7471</b>

## North Campus School Construction and Operations - Contra Costa County, Winter

**3.5 Building Construction - 2021****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0781	2.3726	0.6514	6.1200e-003	0.1557	5.4300e-003	0.1611	0.0448	5.2000e-003	0.0500		645.5568	645.5568	0.0319		646.3552
Worker	0.2043	0.1434	1.4069	4.4000e-003	0.4929	3.0900e-003	0.4960	0.1307	2.8500e-003	0.1336		438.3933	438.3933	0.0101		438.6449
<b>Total</b>	<b>0.2824</b>	<b>2.5160</b>	<b>2.0583</b>	<b>0.0105</b>	<b>0.6486</b>	<b>8.5200e-003</b>	<b>0.6571</b>	<b>0.1756</b>	<b>8.0500e-003</b>	<b>0.1836</b>		<b>1,083.9501</b>	<b>1,083.9501</b>	<b>0.0420</b>		<b>1,085.0001</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9382	18.0292	17.6629	0.0286		0.9700	0.9700		0.9118	0.9118	0.0000	2,715.0395	2,715.0395	0.6683		2,731.7471
<b>Total</b>	<b>1.9382</b>	<b>18.0292</b>	<b>17.6629</b>	<b>0.0286</b>		<b>0.9700</b>	<b>0.9700</b>		<b>0.9118</b>	<b>0.9118</b>	<b>0.0000</b>	<b>2,715.0395</b>	<b>2,715.0395</b>	<b>0.6683</b>		<b>2,731.7471</b>



## North Campus School Construction and Operations - Contra Costa County, Winter

**3.5 Building Construction - 2021****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0781	2.3726	0.6514	6.1200e-003	0.1557	5.4300e-003	0.1611	0.0448	5.2000e-003	0.0500		645.5568	645.5568	0.0319		646.3552
Worker	0.2043	0.1434	1.4069	4.4000e-003	0.4929	3.0900e-003	0.4960	0.1307	2.8500e-003	0.1336		438.3933	438.3933	0.0101		438.6449
<b>Total</b>	<b>0.2824</b>	<b>2.5160</b>	<b>2.0583</b>	<b>0.0105</b>	<b>0.6486</b>	<b>8.5200e-003</b>	<b>0.6571</b>	<b>0.1756</b>	<b>8.0500e-003</b>	<b>0.1836</b>		<b>1,083.9501</b>	<b>1,083.9501</b>	<b>0.0420</b>		<b>1,085.0001</b>

**3.6 Paving - 2021****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8645	18.2088	18.2756	0.0361		0.8718	0.8718		0.8020	0.8020		3,492.1265	3,492.1265	1.1294		3,520.3621
Paving	0.1061					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.9706</b>	<b>18.2088</b>	<b>18.2756</b>	<b>0.0361</b>		<b>0.8718</b>	<b>0.8718</b>		<b>0.8020</b>	<b>0.8020</b>		<b>3,492.1265</b>	<b>3,492.1265</b>	<b>1.1294</b>		<b>3,520.3621</b>

## North Campus School Construction and Operations - Contra Costa County, Winter

**3.6 Paving - 2021****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0613	0.0430	0.4221	1.3200e-003	0.1479	9.3000e-004	0.1488	0.0392	8.5000e-004	0.0401		131.5180	131.5180	3.0200e-003		131.5935
<b>Total</b>	<b>0.0613</b>	<b>0.0430</b>	<b>0.4221</b>	<b>1.3200e-003</b>	<b>0.1479</b>	<b>9.3000e-004</b>	<b>0.1488</b>	<b>0.0392</b>	<b>8.5000e-004</b>	<b>0.0401</b>		<b>131.5180</b>	<b>131.5180</b>	<b>3.0200e-003</b>		<b>131.5935</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8645	18.2088	18.2756	0.0361		0.8718	0.8718		0.8020	0.8020	0.0000	3,492.1265	3,492.1265	1.1294		3,520.3621
Paving	0.1061					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.9706</b>	<b>18.2088</b>	<b>18.2756</b>	<b>0.0361</b>		<b>0.8718</b>	<b>0.8718</b>		<b>0.8020</b>	<b>0.8020</b>	<b>0.0000</b>	<b>3,492.1265</b>	<b>3,492.1265</b>	<b>1.1294</b>		<b>3,520.3621</b>

## North Campus School Construction and Operations - Contra Costa County, Winter

**3.6 Paving - 2021****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0613	0.0430	0.4221	1.3200e-003	0.1479	9.3000e-004	0.1488	0.0392	8.5000e-004	0.0401		131.5180	131.5180	3.0200e-003		131.5935
<b>Total</b>	<b>0.0613</b>	<b>0.0430</b>	<b>0.4221</b>	<b>1.3200e-003</b>	<b>0.1479</b>	<b>9.3000e-004</b>	<b>0.1488</b>	<b>0.0392</b>	<b>8.5000e-004</b>	<b>0.0401</b>		<b>131.5180</b>	<b>131.5180</b>	<b>3.0200e-003</b>		<b>131.5935</b>

**3.7 Architectural Coating - 2021****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	55.9219					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
<b>Total</b>	<b>56.1408</b>	<b>1.5268</b>	<b>1.8176</b>	<b>2.9700e-003</b>		<b>0.0941</b>	<b>0.0941</b>		<b>0.0941</b>	<b>0.0941</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0193</b>		<b>281.9309</b>

## North Campus School Construction and Operations - Contra Costa County, Winter

**3.7 Architectural Coating - 2021****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0409	0.0287	0.2814	8.8000e-004	0.0986	6.2000e-004	0.0992	0.0262	5.7000e-004	0.0267		87.6787	87.6787	2.0100e-003		87.7290
<b>Total</b>	<b>0.0409</b>	<b>0.0287</b>	<b>0.2814</b>	<b>8.8000e-004</b>	<b>0.0986</b>	<b>6.2000e-004</b>	<b>0.0992</b>	<b>0.0262</b>	<b>5.7000e-004</b>	<b>0.0267</b>		<b>87.6787</b>	<b>87.6787</b>	<b>2.0100e-003</b>		<b>87.7290</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	55.9219					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
<b>Total</b>	<b>56.1408</b>	<b>1.5268</b>	<b>1.8176</b>	<b>2.9700e-003</b>		<b>0.0941</b>	<b>0.0941</b>		<b>0.0941</b>	<b>0.0941</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0193</b>		<b>281.9309</b>

## North Campus School Construction and Operations - Contra Costa County, Winter

**3.7 Architectural Coating - 2021****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0409	0.0287	0.2814	8.8000e-004	0.0986	6.2000e-004	0.0992	0.0262	5.7000e-004	0.0267		87.6787	87.6787	2.0100e-003		87.7290
<b>Total</b>	<b>0.0409</b>	<b>0.0287</b>	<b>0.2814</b>	<b>8.8000e-004</b>	<b>0.0986</b>	<b>6.2000e-004</b>	<b>0.0992</b>	<b>0.0262</b>	<b>5.7000e-004</b>	<b>0.0267</b>		<b>87.6787</b>	<b>87.6787</b>	<b>2.0100e-003</b>		<b>87.7290</b>

**4.0 Operational Detail - Mobile****4.1 Mitigation Measures Mobile**

## North Campus School Construction and Operations - Contra Costa County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.0819	9.7831	25.1326	0.0780	6.9628	0.0692	7.0320	1.8630	0.0648	1.9277		7,861.0775	7,861.0775	0.3073		7,868.7590
Unmitigated	2.0819	9.7831	25.1326	0.0780	6.9628	0.0692	7.0320	1.8630	0.0648	1.9277		7,861.0775	7,861.0775	0.3073		7,868.7590

## 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior High School	1,458.00	0.00	0.00	2,341,334	2,341,334
Parking Lot	0.00	0.00	0.00		
Total	1,458.00	0.00	0.00	2,341,334	2,341,334

## 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior High School	9.50	7.30	7.30	72.80	22.20	5.00	63	25	12
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

## 4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior High School	0.582298	0.039109	0.186022	0.123408	0.017184	0.005083	0.010615	0.023794	0.001605	0.001810	0.005454	0.002746	0.000871
Parking Lot	0.582298	0.039109	0.186022	0.123408	0.017184	0.005083	0.010615	0.023794	0.001605	0.001810	0.005454	0.002746	0.000871

## North Campus School Construction and Operations - Contra Costa County, Winter

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0515	0.4681	0.3932	2.8100e-003		0.0356	0.0356		0.0356	0.0356		561.6815	561.6815	0.0108	0.0103	565.0193
NaturalGas Unmitigated	0.0515	0.4681	0.3932	2.8100e-003		0.0356	0.0356		0.0356	0.0356		561.6815	561.6815	0.0108	0.0103	565.0193

## North Campus School Construction and Operations - Contra Costa County, Winter

**5.2 Energy by Land Use - NaturalGas****Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior High School	4774.29	0.0515	0.4681	0.3932	2.8100e-003		0.0356	0.0356		0.0356	0.0356		561.6815	561.6815	0.0108	0.0103	565.0193
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0515</b>	<b>0.4681</b>	<b>0.3932</b>	<b>2.8100e-003</b>		<b>0.0356</b>	<b>0.0356</b>		<b>0.0356</b>	<b>0.0356</b>		<b>561.6815</b>	<b>561.6815</b>	<b>0.0108</b>	<b>0.0103</b>	<b>565.0193</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior High School	4.77429	0.0515	0.4681	0.3932	2.8100e-003		0.0356	0.0356		0.0356	0.0356		561.6815	561.6815	0.0108	0.0103	565.0193
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0515</b>	<b>0.4681</b>	<b>0.3932</b>	<b>2.8100e-003</b>		<b>0.0356</b>	<b>0.0356</b>		<b>0.0356</b>	<b>0.0356</b>		<b>561.6815</b>	<b>561.6815</b>	<b>0.0108</b>	<b>0.0103</b>	<b>565.0193</b>

**6.0 Area Detail****6.1 Mitigation Measures Area**



## North Campus School Construction and Operations - Contra Costa County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.5929	9.3000e-004	0.1015	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004		0.2167	0.2167	5.8000e-004		0.2311
Unmitigated	2.5929	9.3000e-004	0.1015	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004		0.2167	0.2167	5.8000e-004		0.2311

## 6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3064					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.2770					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.4800e-003	9.3000e-004	0.1015	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004		0.2167	0.2167	5.8000e-004		0.2311
<b>Total</b>	<b>2.5929</b>	<b>9.3000e-004</b>	<b>0.1015</b>	<b>1.0000e-005</b>		<b>3.6000e-004</b>	<b>3.6000e-004</b>		<b>3.6000e-004</b>	<b>3.6000e-004</b>		<b>0.2167</b>	<b>0.2167</b>	<b>5.8000e-004</b>		<b>0.2311</b>

## North Campus School Construction and Operations - Contra Costa County, Winter

**6.2 Area by SubCategory****Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3064					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.2770					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.4800e-003	9.3000e-004	0.1015	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004		0.2167	0.2167	5.8000e-004		0.2311
<b>Total</b>	<b>2.5929</b>	<b>9.3000e-004</b>	<b>0.1015</b>	<b>1.0000e-005</b>		<b>3.6000e-004</b>	<b>3.6000e-004</b>		<b>3.6000e-004</b>	<b>3.6000e-004</b>		<b>0.2167</b>	<b>0.2167</b>	<b>5.8000e-004</b>		<b>0.2311</b>

**7.0 Water Detail****7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	-----------	-------------	-------------	-----------

**10.0 Stationary Equipment****Fire Pumps and Emergency Generators**

## North Campus School Construction and Operations - Contra Costa County, Winter

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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## **APPENDIX GEO**

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### Geotechnical Assessment

<b>Type of Services</b>	<b>Geotechnical &amp; Geologic Hazard Evaluation</b>
<b>Project Name</b>	<b>West Contra Costa Unified School District Campus</b>
<b>Location</b>	<b>2465 Dolan Way San Pablo, Contra Costa County, California</b>
<b>Client</b>	<b>Caliber Schools</b>
<b>Client Address</b>	<b>PO Box 5282 Richmond, CA</b>
<b>Project Number</b>	<b>1079-1-1</b>
<b>Date</b>	<b>November 8, 2018</b>

**DRAFT**

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**FIGURE 1: VICINITY MAP**

**FIGURE 2A: REGIONAL GEOLOGIC MAP (DIBBLEE 2005)**

**FIGURE 2B: REGIONAL GEOLOGIC MAP (GRAYMER 2000)**

**FIGURE 3: REGIONAL FAULT MAP**

**FIGURE 4: SITE PLAN & PRELIMINARY GEOLOGIC MAP**

**FIGURE 5: ALQUIST-PRIOLO EARTHQUAKE HAZARD ZONE MAP**

**FIGURE 6: TSUNAMI INUNDATION MAP**



	<b>DRAFT</b>
<b>Type of Services</b>	<b>Geotechnical &amp; Geologic Hazard Evaluation</b>
<b>Project Name</b>	<b>West Contra Costa Unified School District</b>
	<b>Campus</b>
<b>Location</b>	<b>San Pablo, California</b>

## **SECTION 1: INTRODUCTION**

This geotechnical and geologic hazard evaluation was prepared for the sole use of Caliber Schools for the proposed site re-development at 2465 Dolan Way in San Pablo, California. The location of the site is shown on the Vicinity Map, Figure 1.

For our use, we were provided with the following documents:

- Original school development plans prepared by Jack Buchter Architect & Associates titled, "Kerry Hills School, Pinole-Hercules School District, Pinole, CA," Architectural Sheets 2 through 6; Structural plan Sheets S-1 to S-5 prepared by Eric Moorehead Structural Engineer; plumbing, mechanical and electrical plan Sheets P-1, M-1, M-2 and E-1, E-2 prepared by Bentley Engineers; dated February 1, 1963.

### **1.1 PROJECT DESCRIPTION**

The project site is located at 2465 Dolan Way in San Pablo, California. The site was originally constructed for the former Kerry Hills Elementary School campus in 1964. Kerry Hills Elementary was closed in 1989, but the facility is currently occupied by West Contra Costa Unified School District Special Education program staff. Several baseball fields used by the Tara Hills Baseball program occupy the southern half of the site. The existing buildings are surrounded by at-grade parking and former playground areas.

We understand that existing buildings will be refurbished (approximately 36,000 s.f.) during the first phase of the project. The future (second) phase of the project will include construction of roughly 20,000 to 30,000 s.f. of new classroom buildings to allow the school to accommodate up to 865 students (grades K through 8). The extent of the new construction is not yet known; therefore, investigation for this future phase will be developed at a later time.

We understand this project will be reviewed by Division of the State Architect (DSA) and California Geological Society (CGS). The actual quantity of future exploration for new construction will be determined once building locations and sizes have been finalized. We understand that appurtenant utilities, landscaping and other improvements necessary for site re-development are also planned.

## 1.2 SCOPE OF SERVICES

Our scope of services was presented in our agreement dated August 7, 2018, and includes geologic research and consolidation of data, site reconnaissance, identification of potential geologic, seismic and geotechnical impacts, and a discussion of potential mitigation measures and report preparation.

## SECTION 2: REGIONAL SETTING

### 2.1 GEOLOGIC SETTING

#### 2.1.1 Regional Geologic Setting

The site is located within an alluvial plain in the east bay area within a few miles west of the Berkeley Hills. This geomorphic feature represents one range of hills in a series of northwesterly-aligned mountains forming the Coast Ranges geomorphic province of California that stretches from the Oregon border nearly to Point Conception. In the San Francisco Bay area, most of the Coast Ranges has developed on a basement of tectonically mixed Cretaceous- and Jurassic-age (70- to 200-million years old) rocks of the Franciscan Complex. Younger sedimentary and volcanic units locally cap these basement rocks. Still younger surficial deposits that reflect geologic conditions of the last million years or so cover most of the Coast Ranges.

The bedrock geology of the area is associated with a series of oceanic crust and volcanic arc terranes that were accreted to the continent during Mesozoic and Cenozoic time, and further deformed by transpression along the Hayward Fault zone during the Cenozoic. East of the Hayward Fault, an older west-vergent reverse or thrust fault juxtaposes Mesozoic rocks of the Great Valley Complex and Franciscan Complex against Miocene sedimentary and volcanic rocks of the Orinda and Moraga formations. This fault marks the west boundary of the of the Berkeley Hills stratigraphic assemblage (Graymer, 2000). Two units of the Great Valley Sequence are mapped in the study area (Graymer, 2000). Unnamed shale and sandstone of Cretaceous age is designated as (Ku). The Knoxville Formation (KJk) consists of silt and clay shale with thin interbeds of sandstone. The Orinda Formation (Tor) of late Miocene age consists of non-marine pebble to boulder conglomerate, conglomeratic sandstone, fine- to coarse-grained sandstone, siltstone and mudstone.

Overlying the older geologic units along the east bay area alluvial plain are Holocene alluvial fan deposits which have been subdivided by Witter (unpublished) into the following units: Qhc, Qhff, Qhf, and Qha. Qhc are modern channel deposits and are found within the banks of creeks. Qhff are fine-grained alluvial fan deposits exposed at the distal parts of fans. Qhf are alluvial fan deposits mapped along the majority of the west-southwest sloping east bay plain. Qha are undifferentiated alluvial deposits generally mapped within upland drainages and canyons.

Movement on the many splays of the San Andreas Fault system has produced the dominant northwest-oriented structural and topographic trend seen throughout the Coast Ranges today. This trend reflects the boundary between two of the Earth's major tectonic plates: the North American plate to the east and the Pacific plate to the west. The San Andreas Fault system and

its major branching faults is about 40 miles wide in the Bay area and extends from the San Gregorio Fault near the coastline to the Coast Ranges-Central Valley blind thrust at the western edge of the Great Central Valley as shown on the Regional Fault Map, Figure 3. The San Andreas Fault is the dominant structure in the system, nearly spanning the length of California, and capable of producing the highest magnitude earthquakes. Many other subparallel or branch faults within the San Andreas system are equally active and nearly as capable of generating large earthquakes. Right-lateral movement dominates on these faults but an increasingly large amount of thrust faulting resulting from compression across the system is now being identified also.

### **2.1.2 Local Geology**

The cities of Richmond, Pinole, and San Pablo are contiguous and occupy flatlands and low hills along the margin of the bay where extensive development (residential and commercial) has dominated the landscape for many decades. Published geologic maps covering the general area of the site include those of Dibblee (1980); Graymer et al. (1994); Helley and Graymer (1997, 2000), and Dibblee and Minch (2005). The published maps of Graymer (2000) and Dibblee and Minch (2005) are each presented as Vicinity Geologic Map, Figures 2A and 2B.

In the general area of the site, the various published maps show the site as underlain by the Pliocene Orinda Formation. Dibblee (1980) described the Orinda subunit in the immediate area ("Tps") as consisting of "weakly consolidated pebble conglomerate, sandstone and siltstone". The Dibblee and Minch map of 2005 describes the Orinda subunit in the area of the site as "pebble conglomerate". The California Geological Survey (2003) indicates the Orinda Formation consists of "non-marine pebble to boulder conglomerate, conglomeratic sandstone, fine- to coarse-grained sandstone, siltstone and mudstone...and is weak and friable." The various published maps show the Orinda Formation in the area as folded into a northwest trending syncline, with the subject site being located on the westerly limb of the syncline. Bedrock structure (bedding) is shown as dipping moderately (47°) toward the northeast (Dibblee, 1980; Dibblee and Minch, 2005; Graymer 2000). Our review of pre-development aerial photos covering the area (i.e., 1959) shows erosional patterns in the upland areas controlled by the northwest strike of beds within the formation. The bedding can be readily discerned in the aerial photos.

## **2.2 REGIONAL SEISMICITY**

The San Francisco Bay area is recognized by geologists and seismologists as one of the most seismically active regions in the United States. Significant earthquakes occurring in the Bay area are generally associated with crustal movement along well-defined, active fault zones of the San Andreas Fault system. A regional fault map is presented as Figure 3, illustrating the relative distances of the site to significant fault zones. The faults considered capable of generating significant earthquakes are generally associated with the well-defined areas of crustal movement, which trend northwesterly. The San Andreas Fault generated the great San Francisco earthquake of 1906 and the Loma Prieta earthquake of 1989 and passes 19.5 miles southwest of the existing school site. Two other major active faults in the Bay area are the Hayward Fault and the Calaveras Fault. The Hayward Fault is located about 1.6 miles east and the Calaveras Fault is located about 20.9 miles southeast of the site. Table 1 lists all known active faults in order of increasing distance within 100 kilometers (62 miles) of the site. The

seismic characteristics of some faults vary along its length so different segments of the same fault could be listed separately in the table.

**Table 1: Approximate Fault Distances**

Fault Name	Distance	
	(miles)	(kilometers)
Hayward-Rodgers Creek	1.6	2.6
West Napa	12.5	20.1
Green Valley Connected	13.8	22.2
Mount Diablo Thrust	18.0	29.0
Northern San Andreas	19.5	31.3
Calaveras	20.9	33.6
San Gregorio Connected	22.4	36.1
Great Valley 4b, Gordon Valley	22.6	36.3
Great Valley 5, Pittsburg Kirby Hills	25.5	41.0
Point Reyes	27.3	44.0
Greenville Connected	27.6	44.5
Hunting Creek-Berryessa	32.4	52.2
Great Valley 4a, Trout Creek	35.8	57.7
Monte Vista-Shannon	38.6	62.2
Maacama-Garberville	45.0	72.4
Great Valley 7	45.5	73.3
Great Valley 3, Mysterious Ridge	46.0	74.1
Collayomi	57.6	92.7

While seismologists cannot predict earthquake events, geologists from the U.S. Geological Survey have recently updated earlier estimates from their 2014 [Uniform California Earthquake Rupture Forecast \(Version 3\)](#) publication. The estimated probability of one or more magnitude 6.7 earthquakes (the size of the destructive 1994 Northridge earthquake) expected to occur somewhere in the San Francisco Bay Area has been revised (increased) to 72 percent for the period 2014 to 2043 (Aagaard et al., 2016). The faults in the region with the highest estimated probability of generating damaging earthquakes between 2014 and 2043 are the Hayward (33%), Rodgers Creek (33%), Calaveras (26%), and San Andreas Faults (22%). In this 30-year period, the probability of an earthquake of magnitude 6.7 or larger occurring is 22 percent along the San Andreas Fault and 33 percent for the Hayward or Rodgers Creek Faults. During such an earthquake the danger of fault surface rupture at the site is slight, but very strong to severe ground shaking would occur.

UCERF3 estimates that each region of California will experience a magnitude 6.7 or larger earthquake in the next 30 years. Additionally, there is a 63 percent chance of at least one

magnitude 6.7 or greater earthquake occurring in the Bay Area region between 2007 and 2036. During such an earthquake the danger of fault surface rupture at the site is slight, but very strong ground shaking would occur. The site is not located within 2 kilometers of an active or potentially active fault and therefore near source factors will not apply in the seismic design of buildings at the site.

## 2.3 HISTORICAL EARTHQUAKES

We performed a catalogue search of known historical earthquakes of magnitude 5 or greater within approximately 100-kilometer radius of the site from 1906 to present using the USGS computer program located at <http://earthquake.usgs.gov/earthquakes/search/>. The results generated from that search are listed in Table 2. Four relatively large magnitude earthquakes have occurred in the region during the above noted time period, including the Loma Prieta Earthquake of 1989 that was centered approximately 70 miles south-southeast of the site.

**Table 2: Magnitude 5 or Larger Earthquakes within 100 km**

Date	Magnitude
8/24/2014	6.0
10/31/2007	5.5
10/18/1989	5.1
10/18/1989	6.9
6/3/1988	5.3
3/31/1986	5.7
4/24/1984	6.2
1/27/1980	5.4
1/24/1980	5.1
1/24/1980	5.8
3/22/1957	5.7
9/5/1955	5.8
4/18/1906	7.9

## 2.3 MAXIMUM PAST GROUND SHAKING

Due largely to the sparse nature of the population in the area at the time, scant observations were collected following the 1868 Hayward earthquake. Lawson was the first investigation of damage over the entire felt area after the April 18, 1906 earthquake (Lawson et al., 1908). The report documented earthquake effects felt by people and damage to structures and included a series of regional isoseismal intensity maps according to the then-current Rossi-Forel scale.

Toppozada et al. (1982) relied on the earlier work of Lawson et al. (1908) and Nason (1980a,b, 1982), as well as newspaper reports of damage, to interpret intensities at the scale of towns or cities. The 1906 earthquake on the San Andreas Fault was the highest magnitude earthquake recorded in California. Lawson (1908, p. 246) described damage resulting from the 1906 earthquake in the Oakland area as “severe structural damage to many brick and mortar buildings” and many chimneys were toppled, monuments and headstones in the cemeteries were rotated or toppled.

The northeast bay region around San Pablo and the surrounding areas along the plain adjacent to the bay shook at Rossi-Forel intensity VIII (many chimneys fall) to IX (partial or complete collapse of some buildings). Based on the previous studies, Stover and Coffman (1993) employed a recalibrated 1931 MMI scale (Wood and Neumann, 1931) to produce a small-scale isoseismal map for the 1906 felt area. More recently, Boatwright and Bundock (2005) relocated numerous damage points from the Lawson report and used their recalibrated MMI scale to create a ShakeMap for the 1906 earthquake. In these studies, intensity assigned to the vicinity of San Pablo to range from MMI 8-9 (very strong to severe).

## **SECTION 3: SITE CONDITIONS**

### **3.1 Recent Site History and Air Photo Review**

We reviewed aerial photos taken during the period when the rolling hills of the San Pablo area made their greatest transition in terms of land use from agricultural to residential. We reviewed vertical black-and-white and natural color aerial photos taken between 1959 and 1973 as well as vertical (nob-stereo-paired) aerial photos taken after 1973. These images are listed in the reference section of this report. Additionally, we reviewed historic topographic maps published by the USGS. The most relevant aerial images frame the transition from largely undeveloped (1959) to the time when the campus property and surrounding areas were substantially developed. In 1959, the area of the school property and surrounding areas were open, grass-covered hillsides and northwest trending ridges. A residential tract development already existed on the northeast, and a northerly trending drainage existed just beyond (and downslope) of the northwest side of the campus property. Northwestern trending patterns observed along the ridge suggest the structural grain of bedding within the Orinda Formation. The 1973 photos show the campus already established and the comparison between the two sets of photos shows that the campus was created by cutting in the nose area of the ridge and placing fill around the perimeters of the ridge nose.

### **3.2 Surface Description and Topography**

The approximately 11.29-acre site represents a relatively flat terrace at the northwestern end of northerly trending ridge. As discussed, the site appears to have been created by cutting into a former ridge area and placing fill on the northeast and northwest flanks of the ridge, as generally indicated on our Site Plan and Preliminary Geologic Map (Figure 4). This grading appears to have created engineered fill downslopes along the northeastern half of the site and northwestern edge of the campus property.

The man-made slopes flanking the northwestern edge of the site are generally 50 to 75 feet high and 40 to 50 feet high along the northeastern edge of the site. The slopes appear to have



been graded to approximately 2:1 (horizontal:vertical) or flatter with intermediate benches and surface drainage swales. Surface runoff appears to collect into drain inlets within the interior of the site that likely direct water to off-site storm drain systems. We observed an off-site storm drain easement near the base of the northern fill slopes near Kavanaugh Road. It is not clear whether surface runoff currently flows over the top of existing slopes. A 10- to 15-foot high cut slope was observed at the southern edge of the site adjacent to Dolan Way.

The majority of the site is essentially flat with surface grades ranging from roughly Elevation 124 to 130 feet (based on Google Earth imagery; datum unknown). A pedestrian path was observed along the northeastern edge of campus from Dolan Way down to Dundee Road below. The original foundation plans (Sheets S-1 to S-5) indicate the original school building is supported on 14-inch-wide by 30-inch-deep footings with a 5-inch-thick concrete slab-on-grade floor. The existing campus buildings are surrounded by existing asphalt concrete pavement. The southern half of the site is occupied by four baseball fields. Low grasses, bushes and numerous mature trees cover the north- and west-facing slopes. In general, the site is bounded by residential homes and existing streets.

### **3.3 ANTICIPATED SUBSURFACE CONDITIONS**

Site specific subsurface data is not yet known for the site. The original structural plans (Sheet S-4) referenced a geotechnical report prepared by Woodward, Clyde, Sherard & Associates (report number or date not indicated). Therefore, we assumed that geotechnical report was prepared prior to site grading and construction of the original Kerry Hills school site. It appears reasonable to assume that man-made fill was generated from on-site cuts into native soil and bedrock, and this cut material was likely placed as an engineered, drained fill buttress along the edges of the site. The lateral extent of any soil or bedrock over-excavation is not known at this time.

On-site soils will likely consist of a surface layer of man-made fill consisting of mixture of clay, silt, sand and gravel materials. Orinda Formation bedrock underlying the fill or where exposed near the ground surface reportedly consists of siltstone, sandstone or pebble conglomerate.

### **3.4 GROUNDWATER**

Depth to static groundwater is not currently known. The State of California has mapped historic high ground water for several Bay Area counties; however, this portion of the Richmond 7.5-Minute Quadrangle (CGS 2003) has not yet been mapped.

Based on our review of the State of California Geotracker website, groundwater has been encountered at about Elevation 75 to 100 feet approximately  $\frac{1}{4}$  to  $\frac{1}{2}$  mile south of the site, between Richmond Parkway and Hilltop Lake just east of Garrity Creek. We assume groundwater to be near the flow line of the Garrity Creek channel where it passes northwest of nearby Kavanaugh Road.

Fluctuations in ground water levels occur due to many factors including seasonal fluctuation, underground drainage patterns, seasonal recharge, regional and tidal fluctuations, and other factors.

## **SECTION 4: GEOLOGIC HAZARDS**

This section presents our review and comments concerning potential geologic hazards affecting the proposed project.

### **4.1 FAULT RUPTURE**

As discussed above, several significant faults are located within 100 kilometers of the site. The nearest mapped fault to the site is a surface trace of the Hayward Fault located about 1.7 miles west of the site. No faults have been mapped trending through or near the subject site (Brabb & Hanna, 1981; CDMG, 1982; CDMG, 1998; Dibbee, 1980, Lienkemper 1992, 1996; Dibblee and Minch, 2005; Graymer et al., 2006). The area has been extensively studied over a period of many decades in terms of surface faulting. More locally, the Moraga Fault (0.57 miles west) and the Pinole Fault (1.8 miles east) are not considered active within the Quaternary period (Phelps et al., 2008).

Our study uncovered no compelling evidence suggesting a fault surface trace crosses the area of the subject site; therefore, fault surface rupture hazard is not a significant geologic hazard that could directly impact the site.

### **4.2 HISTORICAL GROUND FAILURES**

Very few observations of the 1868 Hayward earthquake record specific evidence for liquefaction in the region. However, Lawson (1908) reports that damage within the Oakland and Berkeley area was highly variable but considerable in areas underlain by alluvium versus areas underlain by pre-Cenozoic formations. Lawson stated; “it seems probable that the severity of the shock was in reality somewhat greater in Oakland than in Berkeley. Chimneys fell very generally throughout the city; the upper parts of brick walls, gables, and cornices were in many cases thrown down (plate 122B) and cracks in walls were numerous. The underpinning of some few old frame houses caused these structures to collapse.”

Youd and Hoose (1978) report that following the 1906 earthquake that an occurrence of landsliding occurred in the hills east of San Pablo, about 3.4 miles southeast of the subject site. Also, Lawson reported; “at Mills College... in the made ground [filled area] there was a drop of from 1 foot to several feet.” At Alameda [there were] “damaged railroad tracks in the marsh. One of the new tracks of the Oakland Traction Company across Webster Street sunk about four feet and the rails are twisted, blocking traffic. On the Twelfth Street dam, a cast-iron pipe was broken and displaced over a foot; while the high-pressure steel pipe paralleling it was practically undisturbed.” No observations of liquefaction were recorded in the Richmond Quadrangle following the 1989 Loma Prieta earthquake (Tinsley and others, 1998).

### **4.3 STRONG GROUND SHAKING**

Moderate to severe (design-level) earthquakes can cause strong ground shaking, which is the case for most sites within the Bay Area. While a seismic hazard analysis was not prepared for this initial study, strong ground shaking should be expected at the site during the life of the planned improvements.



All structural improvements will be designed in accordance with the seismic design provisions in the California Building Code. Therefore, implementation of the proposed project is expected to have a less than significant impact due to strong ground shaking.

#### **4.4 LIQUEFACTION POTENTIAL**

The State of California is in the process of mapping seismic hazards statewide. These maps will assist cities and counties in fulfilling their responsibilities for protecting the public safety from the effects of earthquake-triggered ground failure as required by the [Seismic Hazards Mapping Act](#). The mapping for the state Seismic Hazard Zone series for the Richmond 7.5-Minute quadrangle does not extend north of the city of Richmond and therefore does not extend into the area of the site.

During strong seismic shaking, cyclically induced stresses can cause increased pore pressures within the soil matrix that can result in liquefaction triggering, soil softening due to shear stress loss, potentially significant ground deformation due to settlement within sandy liquefiable layers as pore pressures dissipate, and/or flow failures in sloping ground or where open faces are present (lateral spreading) (NCEER 1998). Limited field and laboratory data is available regarding ground deformation due to settlement; however, in clean sand layers settlement on the order of 2 to 3 percent of the liquefied layer thickness can occur. Soils most susceptible to liquefaction are loose, non-cohesive soils that are saturated and are bedded with poor draining materials, such as sand and silt layers bedded with a cohesive cap.

The mapping for the state Seismic Hazard Zone series for the Richmond 7.5-Minute Quadrangle does not extend north of the city of Richmond and into the area of the site. As already noted, the site is underlain by Tertiary age sedimentary geologic units that are generally semi-consolidated and geologic units of this age range are typically consolidated to the degree that they are not usually susceptible to liquefaction. Artificial (man-made) fill was likely derived from on-site bedrock cut materials and were likely compacted in accordance with standards of practice at the time original construction occurred. The interpretive mapping of Witter et al (2006) indicates the site is in an area assigned with a low potential for liquefaction.

#### **4.5 GROUND RUPTURE**

The methods used to estimate liquefaction settlements assume that there is a sufficient cap of non-liquefiable material to prevent ground rupture or sand boils. For ground rupture to occur, the pore water pressure within liquefiable soil layers will need to be great enough to break through the overlying non-liquefiable layer, which could cause ground rupture. The historic high ground water at the site is mapped at approximately 20 feet in the vicinity of the site. As discussed, there is a low potential for liquefaction at the site due to the relatively shallow depth of the bedrock and presence of previously engineered artificial fill. However, further exploration and analysis should be performed as part of the design-level geotechnical investigation for the planned site improvements.

#### **4.6 LATERAL SPREADING**

Lateral spreading or lurching typically occurs as a form of horizontal displacement of relatively flat-lying material toward an open face such as an excavation, slope face, channel, or body of

water. Generally, in soils, this movement is due to failure along a weak plane and may often be associated with liquefaction.

As described above, the potential for liquefiable soils being present at the site is likely low. However, we recommend that the potential for slope instability be evaluated as part of the design-level geotechnical investigation for the planned site improvements, as discussed below.

#### **4.7 SEISMIC SETTLEMENT**

If near-surface materials vary in composition either vertically or laterally, major earthquake shaking can cause non-uniform compaction (settlement), resulting in movement of the materials and overlying facilities. Surficial materials underlying the proposed project area generally consist of artificial (man-made) fill or bedrock. The extent of the bedrock/fill transition is not yet known. However, based on preliminary interpretation of pre- and post-construction ground elevations across the site, the bedrock/fill transition likely occurs near the central and northwestern portions of the site, as shown on Figure 4. Since past site grading is unknown, it is not known whether bedrock/fill transitions were over-excavated during original school construction. The potential for differential seismic settlement affecting proposed improvements is likely low to moderate. However, this should be further evaluated as part of the future design-level geotechnical investigation for the planned site improvements.

#### **4.8 LANDSLIDING**

The available published regional scale geologic maps covering the Richmond Quadrangle do not show any landslides at or adjacent to the site (Dibblee 1980; Dibblee and Minch, 2005; Graymer and Godt, 1999), Bishop et al, 1973; Knox and Bishop, 1973). Although the Richmond 7.5-Minute Quadrangle has been included within the state Seismic Hazard Zone series, the mapping coverage for that program does not extend north of the city of Richmond and into the area of the site. The mapping of Nilsen and Turner (1975); however, indicates three individual lots were impacted by landsliding that occurred between the years of 1950 and 1971. This mapping does not show any specific landslide features other than the plotting of information that suggests two lots on Kavanaugh Drive and one lot on McMorrow Road were damaged by landsliding. Both of these areas of reported damage are located at the base of the fill slope along the northeast and northwest perimeters of the school property.

Although we were not able to recover any information about these reported residential lots, our review of the 1973 aerial photos did reveal tonal patterns on the slopes in these general locations that suggested that shallow earth flows may have occurred on these graded slopes sometime prior to the date of the aerial photos. These earthflows were most likely surficial failures that resulted from heavy rain runoff on the graded slopes. These observed slope features did not extend to the top of the graded slopes and there is no evidence currently in these areas of past slope instability. Therefore, in our opinion, there is a low potential for landsliding to impact the proposed re-development of the subject property. Further evaluation of building setbacks relative to the top of existing slopes should be included as part of the design-level geotechnical investigation.

#### **4.9 ARTIFICIAL (MAN-MADE) FILLS**

The site is currently developed with existing school structures ranging from the original Kerry Hills Elementary School building to more recently constructed portable buildings. Fill materials resulting from original site grading and more recent development at the site will be present and should be further evaluated as part of the design-level geotechnical investigation for the planned site improvements. The presence of existing fills is expected to have less than significant impact with mitigation incorporated.

#### **4.10 NATURALLY OCCURRING ASBESTOS**

Chrysotile and amphibole asbestos occur naturally in certain geologic settings in the San Francisco Bay area, most commonly in serpentinite and other ultramafic rocks. These are igneous and metamorphic rocks with a high content of magnesium and iron minerals. The most common type of asbestos is chrysotile, which is commonly found in serpentinite rock formations. When disturbed by construction, grading, quarrying, or surface mining operations, asbestos-containing dust can be generated. Exposure to asbestos can result in lung cancer, mesothelioma, and asbestosis. In July 2001, the California Air Resources Board approved an Asbestos Airborne Toxic Control measure for Construction, Grading, Quarrying, and Surface Mining activities in areas where naturally occurring asbestos (NOA) will likely be found and to provide best dust mitigation measures and practices.

As discussed, shallow bedrock that be encountered during construction. As already mentioned, the geology in the San Pablo region is dominated by Tertiary sedimentary rock east of the Hayward Fault, and the bedrock on the west of the Hayward fault is overlain by Quaternary sediments. The subject site is not underlain by ultramafic rocks nor is it located immediately adjacent to any known deposits of ultramafic rocks. Serpentinite forms inclusions and elongate bodies within a northwest trending band of Franciscan “Shreared Rock” (“fsr”) approximately 2.8 miles south of the school property (Dibblee and Minch, 2005; Graymer, 2000). Our mapping of the subject site revealed only Tertiary age sedimentary rocks (Orinda Formation) and fills derived locally from cuts made in the formation in the immediate vicinity. These earth materials are very unlikely to contain serpentinite or any other ultramafic rock with NOA. In our judgment, NOA should not be a hazard at the site.

#### **4.11 SEISMICALLY INDUCED WAVES - TSUNAMIS/SEICHES**

The terms tsunami or seiche are described as ocean waves or similar waves usually created by undersea fault movement or by a coastal or submerged landslide. A tsunami or seiche originating in the Pacific Ocean would lose much of its energy passing through San Francisco Bay. Based on the study of tsunami inundation potential for the San Francisco Bay Area (Ritter and Dupre, 1972), areas most likely to be inundated are marshlands, tidal flats, and former bay margin lands that are now artificially filled, but are still at or below sea level, and are generally within 1½ miles of the shoreline. The site is approximately 0.9 miles inland (southeast) from the San Francisco Bay shoreline and has an average elevation of approximately 127 feet above mean sea level. Therefore, the potential for inundation due to tsunami or seiche is considered very low.

## 4.12 FLOODING

Based on our internet search of the Federal Emergency Management Agency (FEMA) flood map public database, the site is located within Zone X, described as “area of minimal flood hazard”. The project civil engineer should confirm this information during final design. Flooding and inundation of the site are expected to have less than significant impact.

## SECTION 5: PRELIMINARY CONCLUSIONS

From a geotechnical and geologic viewpoint, the project is feasible provided the concerns listed below are addressed in the initial project design. The preliminary recommendations that follow are intended for conceptual planning and preliminary design only. A design-level geotechnical and geologic investigation should be performed once site development plans are finalized indicating where proposed structures are planned. The design-level investigation findings will be used to confirm the preliminary recommendations and develop detailed grading and foundation recommendations for design and construction. Descriptions of each geotechnical or geologic concern with brief outlines of our preliminary recommendations follow the listed concerns.

- Presence of artificial (man-made) fill
- Potential differential movement due to material or cut/fill transitions
- Building setbacks adjacent to existing fill slopes
- Potential presence of localized expansive soil or bedrock
- Strong ground shaking

### 5.1.1 Presence of Artificial Fill

Artificial (man-made) fill is likely present within existing slopes and portions of the existing school campus due to the original grading and site development. The conceptual lateral extent of previously placed fill is shown on the Site Plan & Preliminary Geologic Map, Figure 4. The actual lateral extent will need to be further evaluated during future studies. Although it appears that a geotechnical report was originally prepared for the site, this report was not available for review to determine if mitigation measures were required during original mass grading to address the following concerns:

1. Differential settlement due to material or cut/fill transitions (see further discussion below),
2. Compaction requirements for engineered fill materials, and
3. Requirements for constructing fill slopes (keyways, subdrains, etc)

Artificial fill, if not adequately compacted, can potentially settle and cause distress to new structures and other improvements. At this time, it is not known what the fill compaction requirements were for construction performed in the 1960s. Fill compaction records were not available for our review; therefore, the fill is considered undocumented until additional sampling and testing can be performed within future building areas. Based on our site reconnaissance and review of historic aerial photographs, we did not observe slope settlement or indications of

recent slope movement, such as tension cracks in existing pavement or settlement of existing drainage ditches.

### **5.1.2 Differential Movement Due to Material Transitions**

Material transitions occur when two or more materials with differing geotechnical characteristics interface in a small area, such as within a single residential lot or pavement area. The materials that comprise these transitions can include bedrock, surficial soils, or engineered fill. Because the geotechnical characteristics of the materials are different, the long-term performance of the materials will also be different.

For instance, fills materials, even if well compacted, are typically more compressible than bedrock materials and as a result will usually experience a greater amount of settlement under various loading conditions. The differences in the amount of settlement or expansion between fill materials and bedrock materials can cause distress to residential foundations and other site improvements. Such distress will often either add to the long-term maintenance costs or reduce the design life associated with the structure.

Although our preliminary geologic mapping indicates most of the site will be primarily in bedrock cut materials or previously placed fill materials, portions of the site may have cut/fill transitions within future building footprints. In addition, grading in former bedrock cut areas may expose different bedrock materials, such as siltstone and sandstone, within building footprints. Cut/fill and material transitions should be over-excavated and rebuilt with engineered fill to reduce the potential for differential movement beneath structures. Ideally, the engineered fill on an individual building pad would have relatively uniform thickness. This should be further evaluated during a design-level investigation once building locations are finalized.

### **5.1.3 Building Setbacks Adjacent to Existing Slopes**

As discussed, existing fill slopes on the order of 40 to 75 feet high flank the northwest and northeast sides of the site. To reduce the potential for foundation movement due to long-term slope creep or slope deformation following strong ground shaking in the region, on a preliminary basis, foundations should be setback a horizontal distance of approximately  $H/3$  from face of slope, where  $H$  represents the height of the adjacent slope. If future foundations encroach within this setback, foundations may need to be deepened or a deep foundation may need to be considered.

### **5.1.4 Potential Presence of Expansive Soil**

Based on our review of available geologic maps of the region and our experience with similar sites in the East Bay, moderately to highly expansive surficial soils may be present at the site. Localized beds of expansive Orinda Formation claystone bedrock may also be encountered during grading for the site. Expansive soils and bedrock can undergo significant volume change with changes in moisture content. They shrink and harden when dried and expand and soften when wetted. To reduce the potential for damage to the planned structures, slabs-on-grade will need to have sufficient reinforcement and be supported on a layer of non-expansive fill; foundations will need to extend below the zone of seasonal moisture fluctuation. In addition, it

is important to limit moisture changes in the surficial soils by using positive drainage away from buildings as well as limiting landscaping watering.

### **5.1.5 Strong Ground Shaking**

Strong ground shaking is expected at this site, as with most sites in the Bay Area, during a major earthquake in the area. To mitigate the effects of strong ground shaking, all planned structures should be designed in accordance with the recommendations in a final design-level geotechnical report, and the most recent California Building Code and Division of State Architects/California Geologic Survey requirements.

## **5.2 DESIGN-LEVEL GEOTECHNICAL INVESTIGATION**

The preliminary recommendations contained in this feasibility study were based on limited site development information. We recommend that we be retained to 1) perform a design-level geotechnical investigation, once detailed site development plans are available, in accordance with DSA and CGS requirements; 2) to review the geotechnical aspects of the project structural, civil, and landscape plans and specifications, allowing sufficient time to provide the design team with any comments prior to issuing the plans for construction; and 3) be present to provide geotechnical observation and testing during earthwork and foundation construction.

## **SECTION 6: EARTHWORK**

### **6.1 GENERAL REQUIREMENTS**

As discussed and on a preliminary basis, a portion of existing undocumented fill encountered during grading should be over-excavated and replaced with engineered fill within future building areas. The actual lateral extent and depth of over-excavation should be confirmed during the design-level investigation.

All on-site soils below the stripped layer are suitable for use as fill at the site. Imported fill material for use as general fill should have a Plasticity Index of 15 or less. All fill as well as scarified surface soils in those areas to receive fill or slabs-on-grade should be compacted to at least 90 percent relative compaction as determined by ASTM Test Designation D-1557, latest edition; and be at least 3 percent above optimum. Keyway fill and the upper 6 inches of subgrade in pavement areas and all aggregate base materials should be compacted to at least 95 percent relative compaction (ASTM D-1557, latest edition). Utility trench backfill should be compacted to at least 90 percent relative compaction (ASTM D-1557, latest edition) by mechanical means only.

Surface water runoff should not be allowed to pond adjacent to building foundations, slabs-on-grade, or pavements. Hardscape surfaces should slope at least 2 percent towards suitable discharge facilities; landscape areas should slope at least 3 to 5 percent away from buildings.

### **6.2 CUT/FILL TRANSITION OVER-EXCAVATION**

Future building pads with cut/fill transitions should be over-excavated to provide a relatively uniform fill thickness beneath future building footprints. On a preliminary basis, the depth of



over-excavation below pad grade should be equal to the maximum fill thickness on the pad but need not exceed 4 feet. If material transitions are observed within proposed building areas, it may be necessary to over-excavate exposed bedrock materials to reduce the potential impact on improvements. The depth of the over-excavation will depend on the type of material exposed and will be determined in the field during construction.

In general, over-excavation should extend to at least 5 feet beyond the building footprint. Adjustments to the depth and lateral limits of the over-excavation may need to be made at the time of construction depending on the actual conditions encountered during grading.

## **SECTION 7: FOUNDATIONS**

### **7.1 SHALLOW FOUNDATIONS**

On a preliminary basis, the future school buildings can likely be supported on shallow foundations provided cut/fill and material transitions are adequately addressed during design and construction. A design-level geotechnical investigation should be performed to collect additional information for final earthwork and foundation design in accordance with DSA and CGS requirements. Building setbacks from the top of existing fill slopes may vary depending on the height of slopes and the consistency of existing fill materials. On a preliminary basis, foundations should be setback a distance of approximately  $H/3$  from face of slope, where  $H$  represents the height of the adjacent slope.

Depending on the variation in bedrock or existing fill materials exposed at finished site grades, spread footings will likely be at least 12 to 18 inches wide and extend approximately 18 to 24 inches below the lowest adjacent grade. Footings constructed in re-compacted fill or bedrock areas are anticipated to be capable of supporting maximum allowable bearing pressures on the order of 2,000 to 3,000 psf for combined dead plus live loads.

## **SECTION 8: CLOSURE AND LIMITATIONS**

This report, an instrument of professional service, has been prepared for the sole use of Caliber Schools and their representatives specifically to support their evaluation of the site located at 2465 Dolan Way in San Pablo, California. The opinions and conclusions presented in this report have been formulated in accordance with accepted geotechnical engineering and engineering geology practices that exist in Northern California at the time this report was prepared. No warranty, expressed or implied, is made or should be inferred.

Recommendations in this report are based upon literature review and professional experience. No subsurface exploration of the project area was performed for this study. If variations or unsuitable conditions are encountered during construction, Cornerstone should be contacted to provide supplemental recommendations, as needed.

Caliber Schools may have provided Cornerstone with plans, reports and other documents prepared by others. Caliber Schools understands that Cornerstone reviewed and relied on the information presented in these documents and cannot be responsible for their accuracy.

Cornerstone prepared this report with the understanding that it is the responsibility of the owner or his representatives to see that the recommendations contained in this report are presented to other members of the design team and incorporated into the project planning, and that appropriate actions are taken to implement the geotechnical recommendations during construction.

Preliminary conclusions and recommendations presented in this report are valid as of the present time for the development as currently planned. Changes in the condition of the property or adjacent properties may occur with the passage of time, whether by natural processes or the acts of other persons. In addition, changes in applicable or appropriate standards may occur through legislation or the broadening of knowledge. Therefore, the preliminary conclusions and recommendations presented in this report may be invalidated, wholly or in part, by changes beyond Cornerstone's control. This report should be reviewed by Cornerstone after a period of three (3) years has elapsed from the date of this report.

An electronic transmission of this report may also have been issued. While Cornerstone has taken precautions to produce a complete and secure electronic transmission, please check the electronic transmission against the hard copy version for conformity.

Preliminary recommendations provided in this report are based on the assumption that Cornerstone will be retained to perform a design-level geotechnical investigation, provide observation and testing services during construction to confirm that conditions are similar to that assumed for design, and to form an opinion as to whether the work has been performed in accordance with the project plans and specifications. If we are not retained for these services, Cornerstone cannot assume any responsibility for any potential claims that may arise during or after construction as a result of misuse or misinterpretation of Cornerstone's report by others. Furthermore, Cornerstone will cease to be the Geotechnical-Engineer-of-Record if we are not retained for these services.

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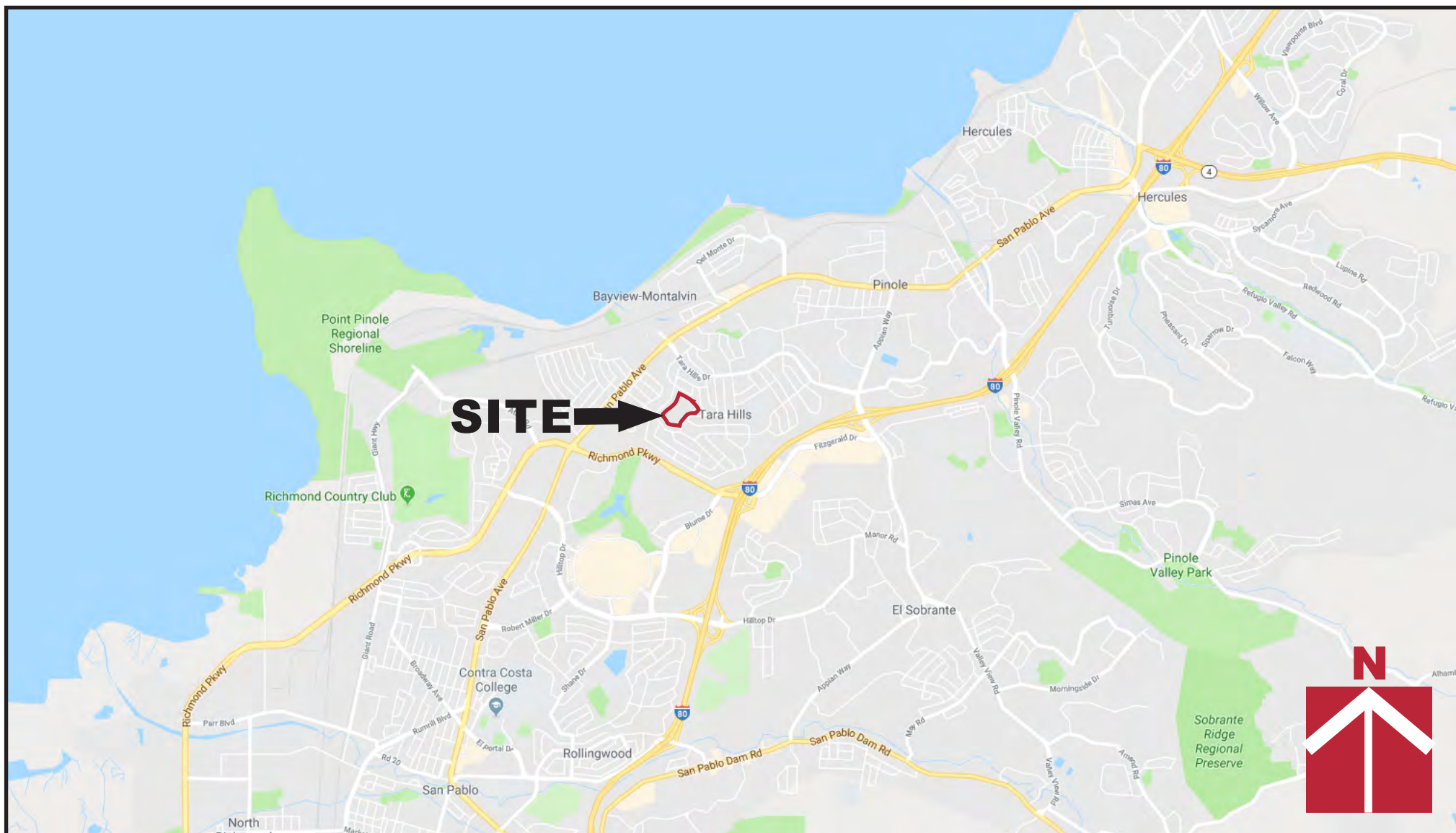
Youd, T.L. and Hoose, S.N., 1978, Historic Ground Failures in Northern California Triggered by Earthquakes, United States Geologic Survey Professional Paper 993.

Stereo Aerial Photos Reviewed at USGS Menlo Park Library

Date	Type
1959	vertical black & white
1973	vertical black & white

Non-Stereo Aerial Photos Reviewed ([www.historicaerials.com](http://www.historicaerials.com))

Date	Type
1946	vertical black & white
1948	vertical black & white
1958	vertical black & white
1959	vertical black & white
1968	vertical black & white
1980	vertical black & white
1987	vertical black & white
1988	vertical black & white



**CORNERSTONE**  
**EARTH GROUP**

### Vicinity Map

**2465 Dolan Way**  
**San Pablo, CA**

Project Number

1079-1-1

Figure Number

Figure 1

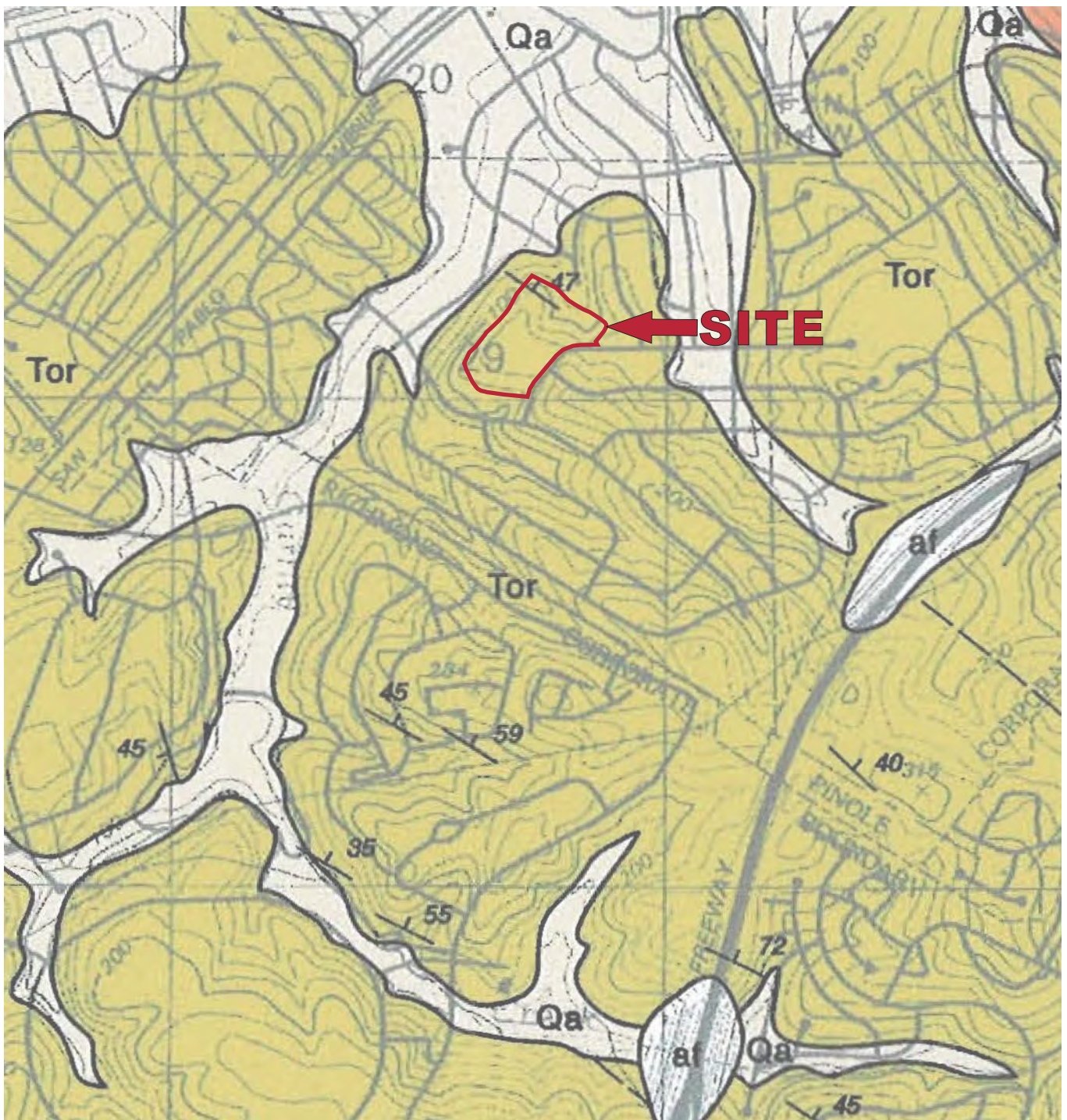
Date

November 2018

Drawn By

RRN





#### Geologic Units

- af** Surficial Deposits  
Man-made artificial fill
- Qa** Alluvial soil  
(Holocene)
- Tor** Orinda Formation  
Terrestrial pebble conglomerate  
(Pliocene)

#### Explanation

- Contact- dashed where approximate,  
dotted where concealed



0 1000 2000

APPROXIMATE SCALE (FEET)

Base: USGS, Geologic Map of the Richmond Quadrangle, Contra Costa & Alameda Counties, California, by Dibblee, 2005



Vicinity Geologic Map (Dibblee, 2005)

2465 Dolan Way  
San Pablo, CA

Project Number

1079-1-1

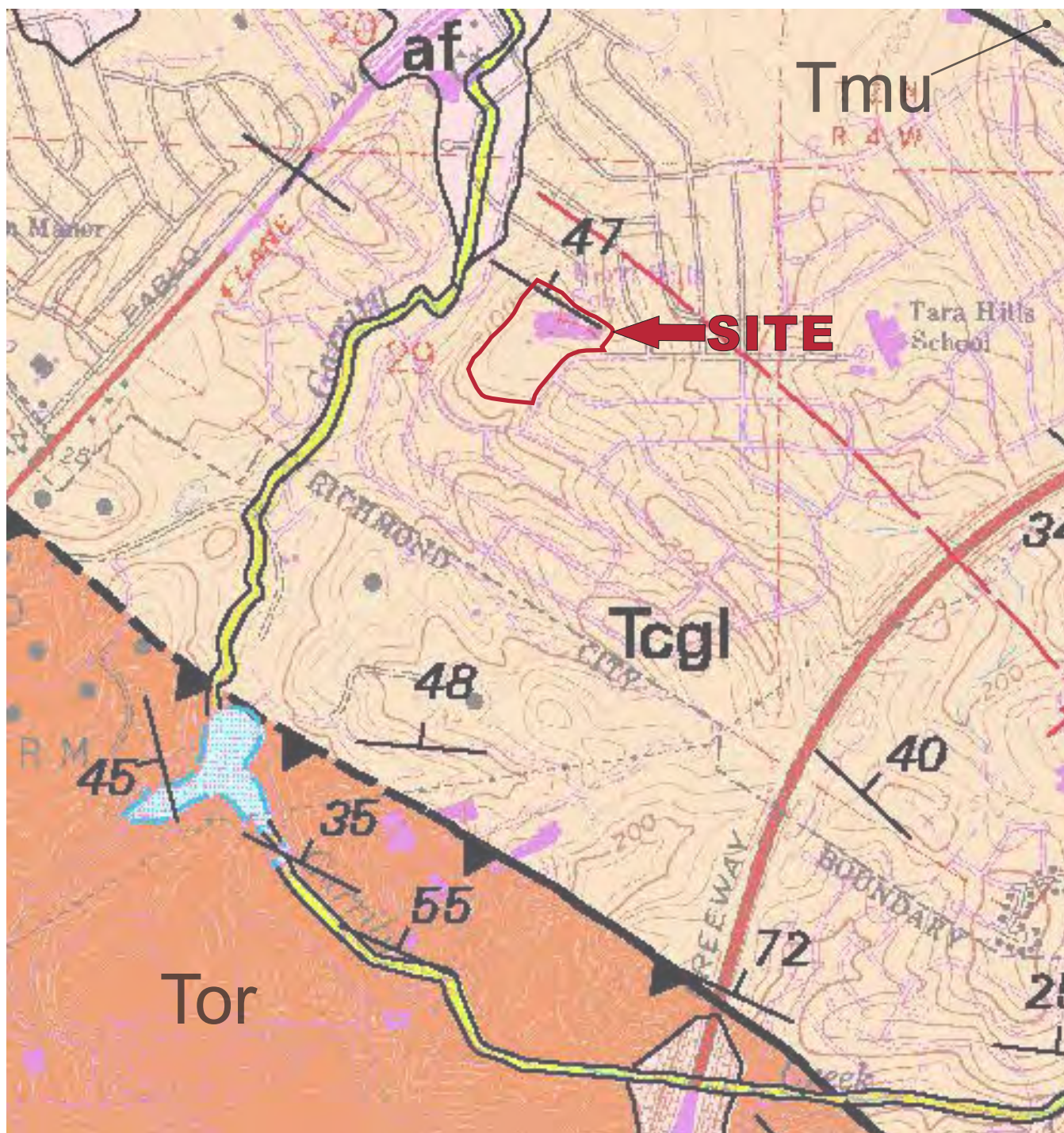
Figure Number

Figure 2A

Date  
November 2018

Drawn By  
RRN





#### Geologic Units

- af** Artificial fill
- Tor** Orinda Formation (late Miocene)
- Tcgl** Conglomerate, sandstone, and siltstone (Pliocene and Miocene)
- Tmu** Mudstone, shale, siltstone (Miocene)

#### Explanation

- Contact- dashed where approximate, dotted where concealed



Base: USGS, Geologic Map and Map Database of the Oakland Metropolitan Area, Alameda, Contra Costa, San Francisco Counties, California, by Graymer, 2000



Vicinity Geologic Map (Graymer, 2000)

2465 Dolan Way  
San Pablo, CA

Project Number

1079-1-1

Figure Number

Figure 2B

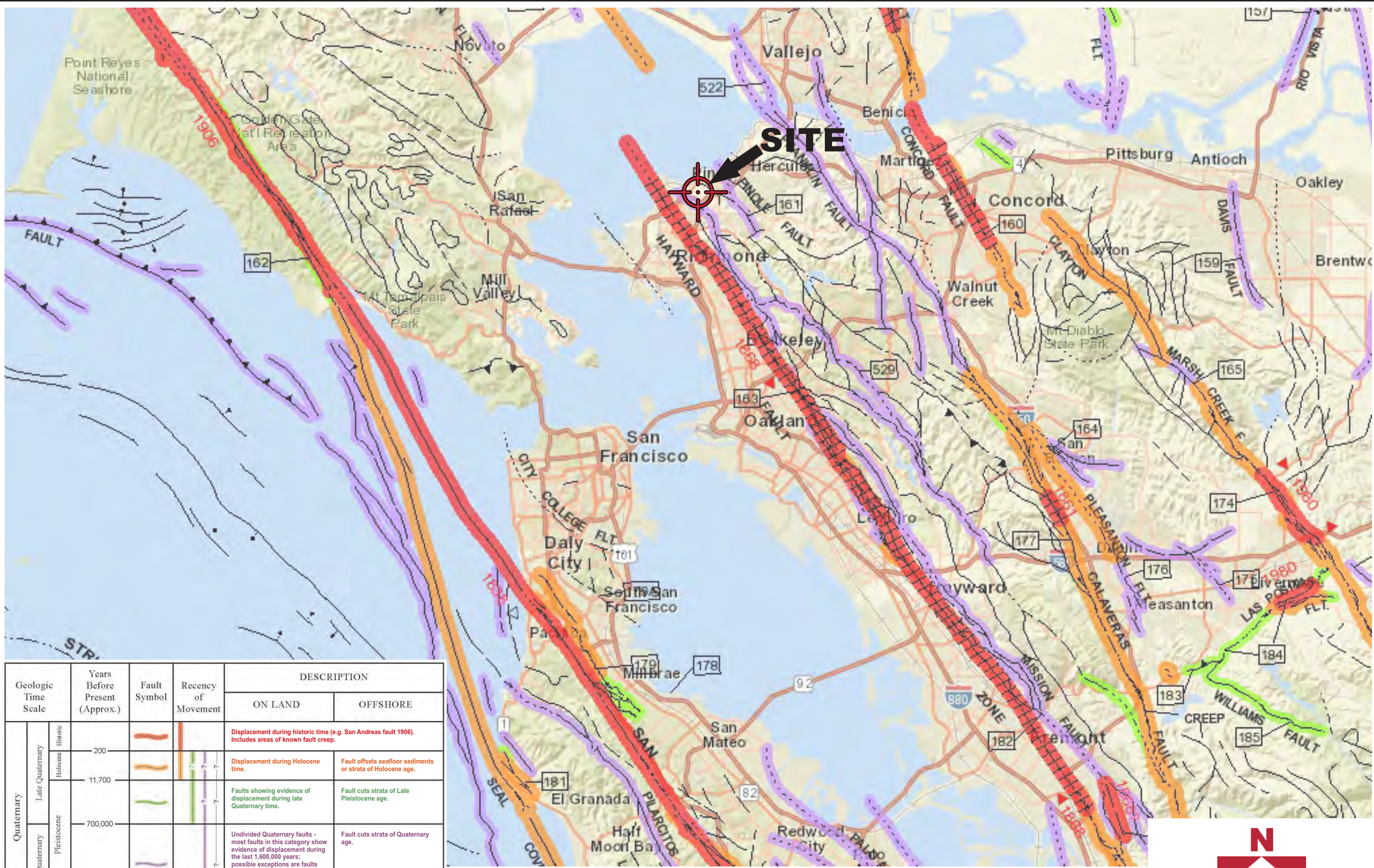
Date

November 2018

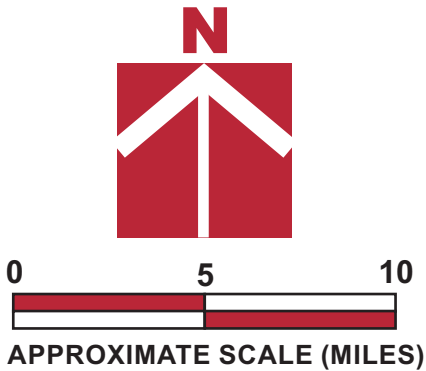
Drawn By

RRN





Geologic Time Scale		Years Before Present (Approx.)	Fault Symbol	Recency of Movement	DESCRIPTION	
					ON LAND	OFFSHORE
Quaternary	Late Quaternary	Holocene	200		Displacement during historic time (e.g. San Andreas fault 1906). Includes areas of known fault creep.	
		11,700			Displacement during Holocene time.	Fault offsets seafloor sediments or strata of Holocene age.
	Pleistocene	700,000			Faults showing evidence of displacement during late Quaternary time.	Fault cuts strata of Late Pleistocene age.
		1,600,000			Undivided Quaternary faults - most faults in this category show evidence of displacement during the last 1,600,000 years; possible exceptions are faults which displace rocks of undifferentiated Plio-Pleistocene age.	Fault cuts strata of Quaternary age.
Pre-Quaternary		4.5 billion (Age of Earth)			Faults without recognized Quaternary displacement or showing evidence of no displacement during Quaternary time. Not necessarily inactive.	Fault cuts strata of Pliocene or older age.



Base by California Geological Survey - 2010 Fault Activity Map of California (Jennings and Bryant, 2010)

1079-1-1

Figure Number

Figure 3

Project Number

Drawn By

RRN

Date

November 2018

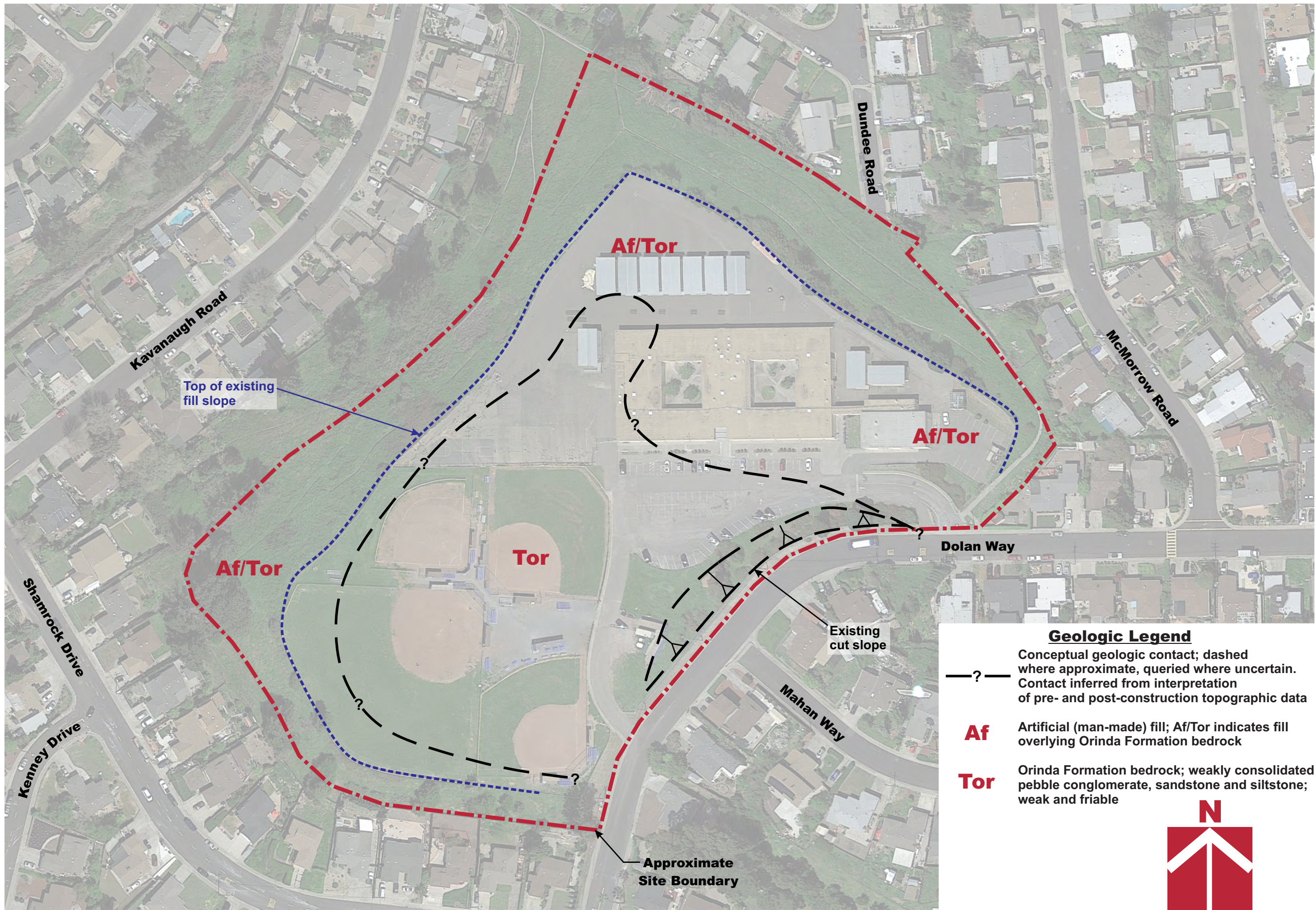
Regional Fault Map

2465 Dolan Way  
San Pablo, CA

CORNERSTONE

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Base by Google Earth, dated 4/2/2018

Site Plan and Preliminary Geologic Map

Project Number  
1079-1-1

Figure Number  
Figure 4

Date  
November 2018

Drawn By  
RRN

2465 Dolan Way  
San Pablo, CA

**CORNERSTONE**  
**EARTH GROUP**

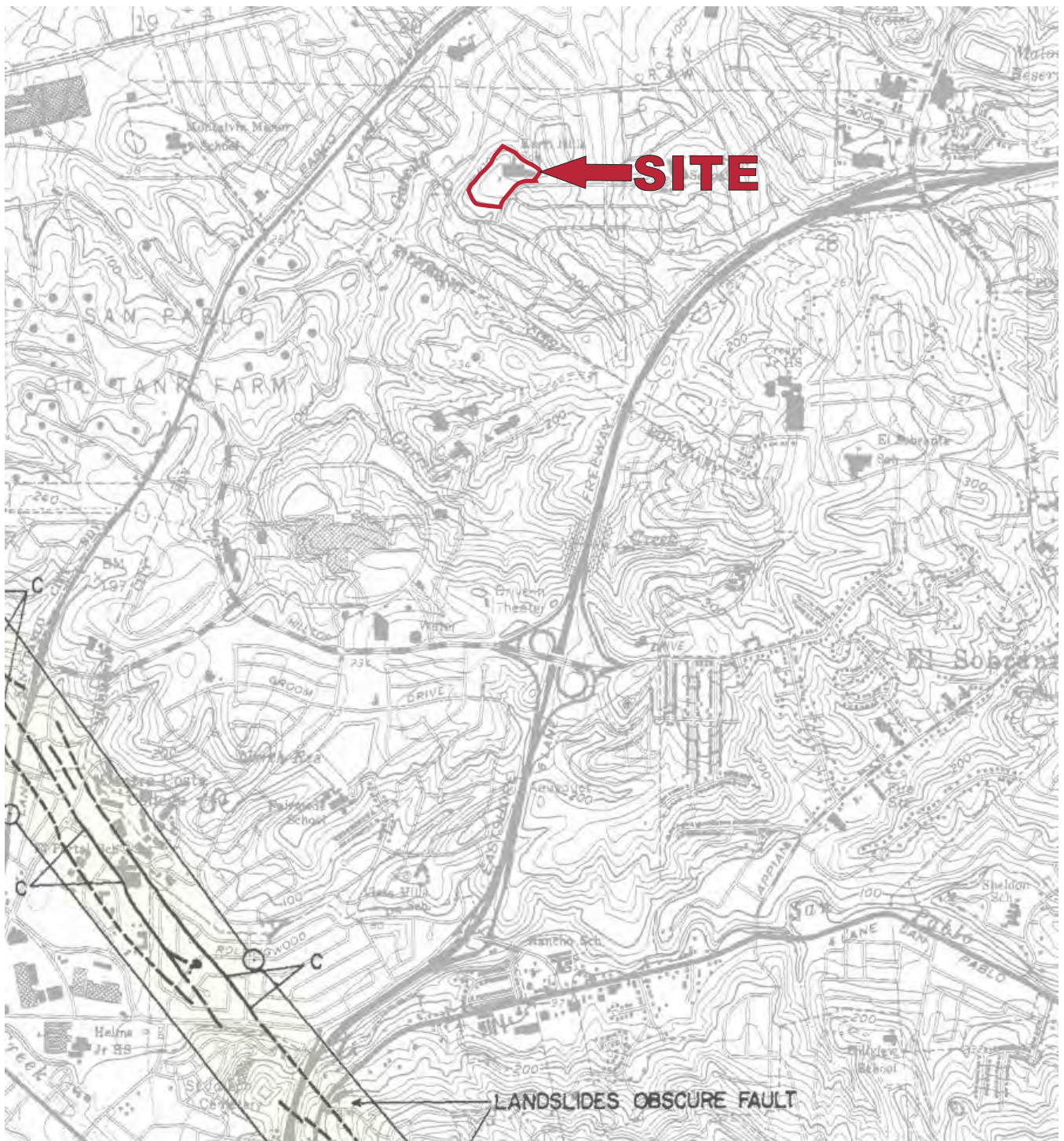
**Geologic Legend**

- ?— Conceptual geologic contact; dashed where approximate, queried where uncertain. Contact inferred from interpretation of pre- and post-construction topographic data
- Af** Artificial (man-made) fill; Af/Tor indicates fill overlying Orinda Formation bedrock
- Tor** Orinda Formation bedrock; weakly consolidated pebble conglomerate, sandstone and siltstone; weak and friable



0 120 240  
APPROXIMATE SCALE (FEET)





**MAP EXPLANATION**

**Potentially Active Faults**

1906 C Faults considered to have been active during Quaternary time; solid line where accurately located, long dash where approximately located, short dash where inferred, dotted where concealed; query (?) indicates additional uncertainty. Evidence of historic offset indicated by year of earthquake-associated event or C for displacement caused by creep or possible creep.

— Aerial photo lineaments (not field checked); based on youthful geomorphic and other features believed to be the results of Quaternary faulting.

**Special Studies Zone Boundaries**

○—○ These are delineated as straight-line segments that connect encircled turning points so as to define special studies zone segments.

—○ Seaward projection of zone boundary.



0 2000 4000

APPROXIMATE SCALE (FEET)

Base: State of California, Seismic Hazard Zones, Richmond Quadrangle.



**Alquist-Priolo Earthquake Hazard Zone Map**

2465 Dolan Way  
San Pablo, CA

Project Number

1079-1-1

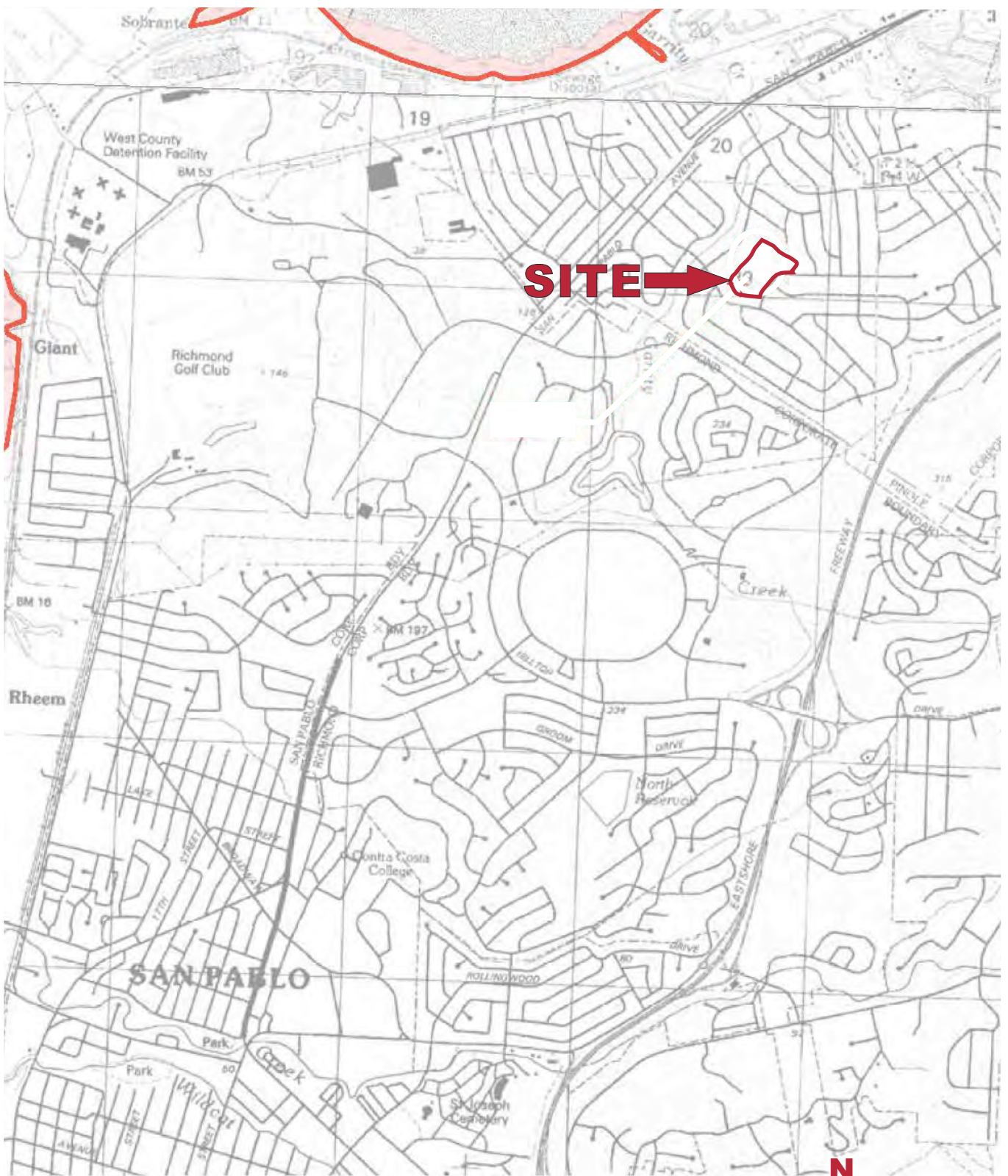
Figure Number

Figure 5



Date November 2018

Drawn By RRN





## MAP EXPLANATION

-  Tsunami Inundation Line
-  Tsunami Inundation Area

Base: State of California, Tsunami Inundation Map for Emergency Planning, Richmond Quadrangle.



**CORNERSTONE**  
**EARTH GROUP**

### Tsunami Inundation Map

2465 Dolan Way  
San Pablo, CA

Project Number

1079-1-1

Figure Number

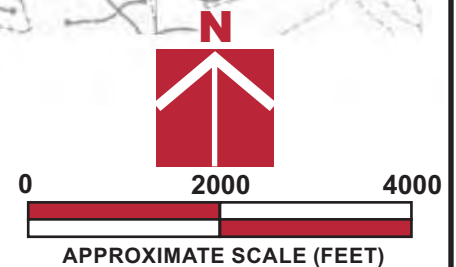
Figure 6

Date

November 2018

Drawn By

RRN

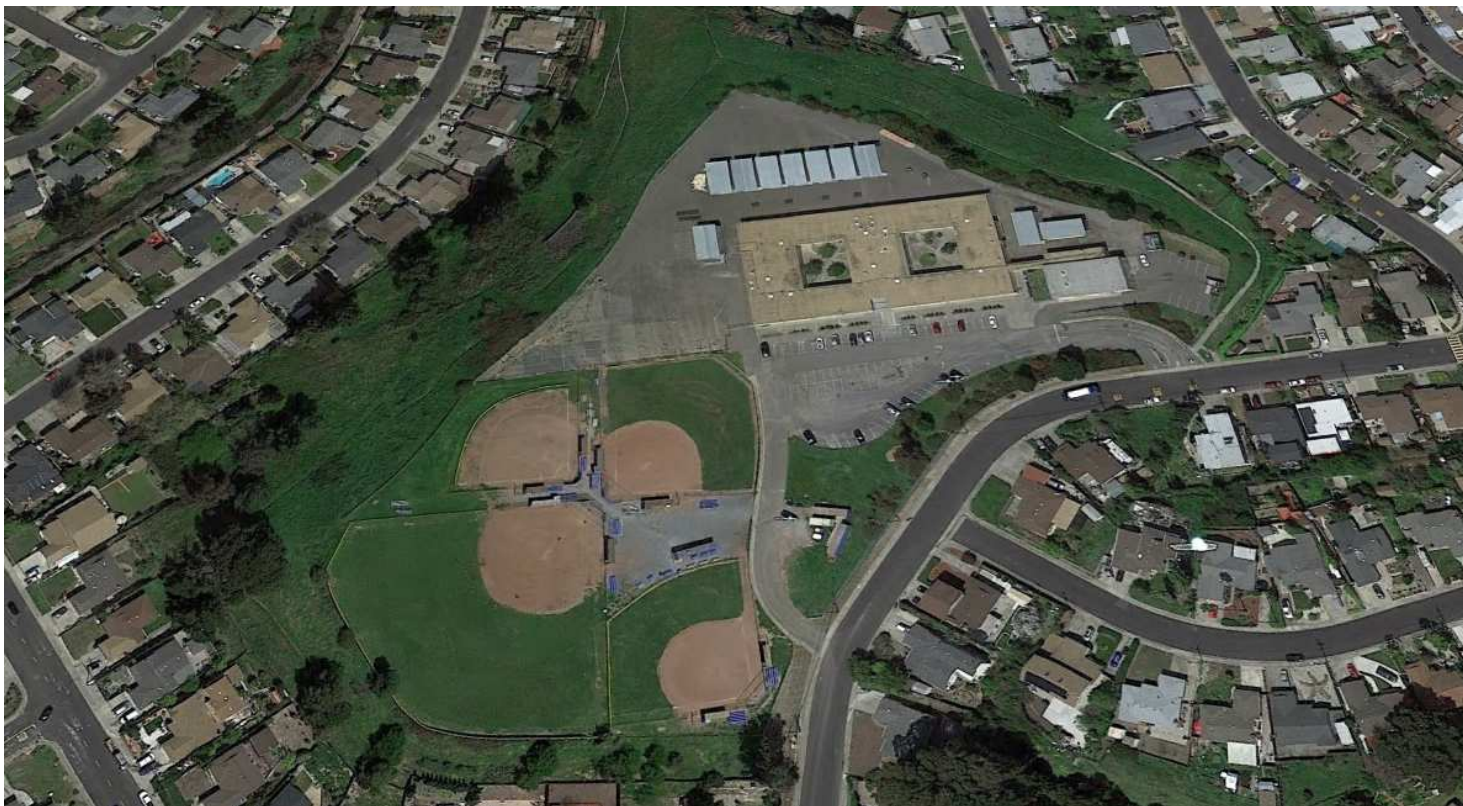




## **APPENDIX HAZ**

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Phase I ESA



**PHASE I ENVIRONMENTAL SITE ASSESSMENT  
CALIBER SCHOOLS-FORMER KERRY HILLS ELEMENTARY SCHOOL  
2465 DOLAN WAY  
SAN PABLO, CA 94806**

**BINDER CONTENT:**  
Phase I Environmental Site Assessment  
Appendix A – Photo Log  
Appendix B – EDR Report  
Appendix C – Additional Environmental Documents  
Appendix D – Resumes  
Figures

**November 15, 2018  
Millennium Project No.: 3127.2000**

**Submitted to:**  
Caliber Schools  
P.O. Box 5282  
Richmond, CA 94805

**Submitted by:**  
Millennium Consulting Associates  
401 Roland Way, Ste. 250  
Oakland, CA 94621

**MILLENNIUM**  
**CONSULTING ASSOCIATES**  
*A MECA Consulting, Inc. Company*

“Providing Premier Environmental & Industrial  
Hygiene Services since 1986”





November 15, 2018

Project No. 3127.2000

Markus Mullarkey  
Chief Operating Officer  
Caliber Schools  
P.O. Box 5282  
Richmond, CA 94805

RE: **Phase I Environmental Site Assessment**  
**Former Kerry Hills Elementary School**  
**2465 Dolan Way**  
**San Pablo, CA 94806**

Dear Mr. Mullarkey,

This document consists of the Millennium Consulting Associates, Inc. (Millennium) Phase I Environmental Site Assessment in draft form for Former Kerry Hills Elementary School located at 2465 Dolan Way San Pablo, CA. Please contact us at (925) 808-6700 should you have questions regarding this report. Millennium appreciates the opportunity to work with you on this project.

Sincerely,

MILLENNIUM CONSULTING ASSOCIATES



Steffany Aguilar Loeb  
Project Geologist



Ramil Arcia, CAC, CDPH IA/PM  
Director of Building Sciences



## **EXECUTIVE SUMMARY**

At the request of Caliber Schools (with Pacific Charter Schools), Millennium has performed a Phase I Environmental Site Assessment (ESA) for former Kerry Hills Elementary School, 2465 Dolan Way, San Pablo, CA, herein referred to as the Subject Property. The location of the area identified as the Subject Property is shown on the General Location Map (Figure 1) and on the Site Plan (Figure 2). The main objective of this ESA is to identify Recognized Environmental Conditions on the Subject Property. Recognized Environmental Conditions are defined in the ASTM E1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessments as the presence or likely presence of any hazardous substances or petroleum products that indicate an existing release, a past release, or a material threat of a release.

## **SITE HISTORY**

The Subject Property is comprised of one freestanding school building, ten portables located north, east and west of the building, a basketball court, baseball fields and a parking lot. With no available floor plan to scale, the site is approximately 397,267 square feet, with a 39,960 square foot main building and ten 1,000-square foot portables located adjacent to the main building on the north, east and west side. The Subject Property is located in a residential area. According to interviews with Joe Mayes (West Contra Costa Unified School District Maintenance Director), the property has served as variations of school (elementary school, continuation school, school offices) since its development in 1964.

According to historical aerial photographs and public record, the property on which the school building now stands was undeveloped until approximately 1964. Prior to 1964 the land was undeveloped. Construction of the existing school building, parking lots, and sport fields was completed before the 1968 aerial photograph was taken. According to aerial photographs, a total of 2 buildings were originally located on site from 1968-1974. The 1982 and 1993 aerial photography shows the present main building as the only building on site. The 1998 aerial photography shows the main building with an additional 5 portables on site. The 2005 aerial photography shows the main building with a total of 14 portables on site. By 2009, there was a total of 16 portables on site. The 2012 and 2016 aerial photography matches the current layout of one main building and 10 portables on the Subject Property.

## **RECOGNIZED ENVIRONMENTAL CONDITIONS**

Millennium has performed a Phase I ESA in general conformance with the scope and limitations of the ASTM Standard Practice for the Subject Property. The assessment identified no Recognized Environmental Conditions on the Subject Property:

- No Recognized Environmental Conditions at the Subject Property.
- Areas along exterior access doors and windows flush with the floor show signs of water damage, including –vinyl floor tile (and potentially vinyl asbestos tile). It is assumed that water

intrusion is occurring through the doors and windows that are flush with the floor. However, despite the obvious signs of water intrusion, no microbial growth was observed and there were no building materials observed to be waterlogged. The vinyl tiles along the exterior doors and window/floor have been changed from originally flooring likely due to water damage.

- Mr. Joe Mayes (West Contra Costa Unified School District Maintenance Director) stated that vinyl floor tiles are likely asbestos containing material. It should also be noted that various building materials could contain asbestos and/or lead, as the building was constructed in 1964.

## **RECOMMENDATIONS**

Millennium recommends that the following actions be completed at the Subject Property prior to the start of the demolition phase:

- Based on verbal discussion with Mr. Joe Mayes, future renovation work is planned at the Subject Property. A hazardous materials survey should be performed in order to characterize impacted building materials for the potential presence of asbestos and lead prior to commencement of renovation. The survey is required in order to comply with the asbestos National Emissions Standard for Hazardous Air Pollutants (NESHAP) (40 CFR Part 61, Subpart M) and Cal/OSHA regulations found in 8 CCR 1529. Lead work practices should be performed in compliance with 8 CCR 1532.1, with waste handling compliance in accordance with the Department of Toxic Substance Control (DTSC). It is important to note that the Subject Property was constructed in the 1960s and the presence of asbestos-containing materials and/or lead-based paint can reasonably be anticipated. In addition, the potential for water intrusion, and impacts of moisture on the Subject Property should be examined.

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**FIGURES AND APPENDICES**

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Figure 2	Site Plan
Appendix A	Photo Log
Appendix B	EDR Report
Appendix C	Additional Environmental Documents
Appendix D	Resumes

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**LIST OF ABBREVIATIONS AND ACRONYMS**

AAI	All Appropriate Inquiries
ACRES	Assessment, Cleanup, and Redevelopment Exchange System
AIRS	Aerometric Information Retrieval System Facility Subsystem
APN	Assessor's Parcel Number
ARB	Air Resources Board
AST	Aboveground Storage Tank
ASTM	American Society for Testing and Materials (formerly), now ASTM International
AULs	Activities and Use Limitations
bgs	Below Ground Surface
BRS	Biennial Reporting System
BTEX	Benzene, Toluene, Ethylbenzene, and Xylenes
Cal/EPA	California Environmental Protection Agency
CCC	California Coastal Commission
CDL	Clandestine Drug Lab
CERLCA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	CERCLA Information System
CERS	California Environmental Reporting System
CESQG	Conditionally Exempt Small Quantity Generator
CFR	Code of Federal Regulations
CHMIRS	Hazardous Materials Information Reporting System
COPCs	Chemicals of Potential Concern
CORRACTS	Corrective Action Reports (RCRA)
CUPA	Certified Unified Program Agencies
CWA	Clean Water Act
DGS	Department of General Services
DPR	Department of Pesticide Regulation
DPW	Department of Public Works
DSMOA	Defense and State Memorandum of Agreement
DTSC	California Department of Toxic Substances Control
ECHO	Enforcement & Compliance History Online
EDR	EDR Corporation

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EPCRA	Emergency Planning and Community Right-to-Know Act
EPP	Environmental Protection Provision
ERNS	Emergency Response Notification System
ESA	Environmental Site Assessment
FAA	Federal Aviation Administration
FEMA	Federal Emergency Management Agency
FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act
FIRM	Flood Insurance Rate Map
FOST	Finding of Suitability to Transfer
FTTS	FIFRA/TSCA Tracking System
FUDS	Formerly Used Defense Sites
FUSRAP	Formerly Utilized Sites Remedial Action Program
gal	Gallon
HMIRS	Hazardous Materials Information Reporting System
HMTA	Hazardous Materials Transportation Act of 1974
HSA	Historical Site Assessment
HSWA	Hazard and Solid Waste Amendments
ICIS	Integrated Compliance Information System
LBP	Lead Based Paint
LDS	Land Disposal Sites
LLP	Landowner Liability Protection
LOP	Local Oversight Program
LQG	Large Quantity Generator (RCRA)
LUCIS	Land Use Control Information System
LUST	Leaking Underground Storage Tank
µg/kg	Microgram per kilogram
µg/sf	Micrograms per square foot
mg/kg	Milligram per kilogram
MGP	Manufactured Gas Plant
MLTS	Material Licensing Tracking System
MTBE	Methyl Tertiary-Butyl Ether
NPDES	National Pollutant Discharge System



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NFA	No Further Action
NFRAP	No Further Remedial Action Planned
NPL	National Priority List
NR	Not Recorded
NRC	Nuclear Regulatory Commission
NRCS	Natural Resource Conservation Service
NWI	National Wetlands Inventory
OES	Office of Emergency Services
ODI	Open Dump Inventory
OMS	Organizational Maintenance Shop
OSHA	Occupational Safety and Health Administration
PADS	PCB Activity Database System
PCB	Polychlorinated Biphenyl
PRG	Preliminary Remediation Goal
PRP	Potentially Responsible Party
RAATS	RCRA Administrative Action Tracking System
RCRA	Resource Conservation and Recovery Act
REC	Recognized Environmental Condition
RMP	Risk Management Plan
ROD	Record of Decision
sf	Square Feet
SARA	Superfund Amendments and Reauthorization Act
SEMS	Superfund Enterprise Management System
SLIC	Spills, Leaks, Investigations, and Cleanup
STATSGO	State Soil Geographic Database
SP	Subject Property
SQG	Small Quantity Generator (RCRA)
SRHS	San Rafael High School
SSTS	Section 7 Tracking Systems
SWAT	Solid Waste Assessment Test
SWEEPS	Statewide Environmental Evaluation and Planning System
SWF/LF	Solid Waste Facilities/Landfill Sites

SWRCB	State Water Resources Control Board
TCE	Tetrachloroethylene
TPCA	Toxic Pits Cleanup Act of 1984
TRIS	Toxic Chemical Release Inventory System
TRPH	Total Recoverable Petroleum Hydrocarbons
TSCA	Toxic Substances Control Act
TSD	Treatment, Storage, or Disposal
TPH	Total Petroleum Hydrocarbons
TPH-d	Total Petroleum Hydrocarbons as Diesel
TPH-g	Total Petroleum Hydrocarbons as Gasoline
UIC	Underground Injection Control
UMTRA	Uranium Mill Tailings Remedial Action
UNOCAL	Union Oil Company of California
USACE	United States Army Corp of Engineers
USDOD	United States Department of Defense
USDOE	United States Department of Energy
USDOL	United States Department of Labor
USEPA	United States Environmental Protection Agency
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
UST	Underground Storage Tank
VCP	Voluntary Cleanup Program
WMUDS	Waste Management Unit Database System

## **1. INTRODUCTION**

This report presents the findings of the Phase I Environmental Site Assessment (Phase I ESA) conducted by Millennium Consulting Associates (Millennium) for the former Kerry Hills Elementary School, located at 2465 Dolan Way San Pablo, CA (Herein referred to as the Subject Property). This work was performed for Caliber Schools (with Pacific Charter Schools) in accordance with our September 28, 2018 Agreement.

### **1.1 Purpose**

This Phase I ESA was prepared in general accordance with the ASTM E1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessments (ASTM Standard Practice). The ASTM Standard Practice is in general compliance with the 40 CFR Part 312 rule entitled, “Standards and Practices for All Appropriate Inquiries; Final Rule” (AAI Rule). The purpose of this Phase I ESA is to identify Recognized Environmental Conditions (RECs) at the Subject Property. The term Recognized Environmental Conditions is defined in the ASTM Standard Practice as the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not Recognized Environmental Conditions. This ESA also includes a preliminary evaluation of certain potential environmental conditions that are outside the scope of the ASTM Standard Practice.

Millennium understands the Subject Property is set to be renovated and expanded as part of Caliber Beta Academy’s move to the new site. Millennium is performing this Phase I ESA to assist Caliber Schools (with Pacific Charter Schools) in identifying Recognized Environmental Conditions at the Subject Property. This Phase I ESA is intended to reduce, but not eliminate, uncertainty regarding the potential for Recognized Environmental Conditions at the Subject Property.

### **1.2 Scope of Work**

As discussed in our Agreement, the scope of work performed for this Phase I ESA consisted of the following tasks:

- An on-site and surrounding land use reconnaissance and inspection was performed to determine current conditions at the Subject Property and adjacent properties;
- A review of environmental databases, including listings of known or suspected contaminated sites, known landfill locations, known leaking underground storage tank (LUST) locations, and operations regulated under federal or California hazardous waste regulations;
- A review of available historical aerial photographs, topographic maps, and Sanborn Fire Insurance maps;
- A review of previous documented environmental site assessments and evaluations performed at the Subject Property (as applicable);

- A description of the regional geologic and hydrogeological setting for the property; and
- Preparation of a written Phase I ESA report summarizing our findings and recommendations.

### **1.3 Special Terms and Conditions**

None. This assessment was conducted in general accordance with the ASTM Standard Practice.

### **1.4 Environmental Professional**

This Phase I ESA was performed by Millennium under the management and direction of Ramil Arcia who meets the qualification requirements of an Environmental Professional as described in the ASTM Standard Practice and the AAI Rule based on professional licensing, education, training, and experience to assess a property's environmental conditions and to assess the potential liability for any contamination.

### **1.5 Organization**

This Phase I ESA report is organized into ten (10) sections. Section 1 provides an introduction, identifies specific objectives, and summarizes user provided data. Section 2 provides information regarding the Subject Property. Section 3 summarizes user provided information, while Section 4 summarizes a review of available records. Section 5 presents the results of the site reconnaissance. Section 5 describes the site physical setting, while Section 6 describes historical uses of the site. Section 7 describes the observations from the site reconnaissance visit. Section 8 provides information gathered from personal interviews. Findings, conclusions and recommendations are presented in Section 9, and limitations to the assessment are presented in Section 10. Backup information is provided in two (2) appendices. The Photo Log is included as Appendix A, the EDR Report is included as Appendix B; Appendix C contains additional environmental documents used in this assessment; Appendix D includes copies of resumes.

## 2. SUBJECT PROPERTY LOCATION AND PHYSICAL DESCRIPTION

### 2.1 Subject Property Location

The Subject Property is located at 2465 Dolan Way within the limits of San Pablo, California. The Subject Property is located within a residential area. Figure 1 provides a general location map of the Subject Property and Figure 2 provides a Site Plan.

### 2.2 Subject Property Information

Table 1 describes the physical location and ownership on the Subject Property.

Table 1 - Subject Property Information

<b>Subject Property Name and Address:</b>	Former Kerry Hills Elementary School 2465 Dolan Way San Pablo, CA 94806
<b>Property Owner:</b>	West Contra Costa Unified School District
<b>Date of Ownership:</b>	approximately 1964
<b>Current Occupants:</b>	West Contra Costa Unified School District
<b>Zoning:</b>	R-6
<b>County, State:</b>	Contra Costa County, State of California
<b>USGS Quadrangle(s):</b>	Richmond
<b>Latitude/Longitude:</b>	37.9938980° N 122.3207990° W
<b>Assessor's Parcel Number:</b>	403-220-005-9

### 2.3 Subject Property Physical Description and Current Use

The Subject Property is situated on approximately 9.12 acres of land with one building and ten portables, a parking lot, baseball fields and a basketball court. . The free-standing building is approximately 39,960 square feet and each portable is approximately 1,000 square feet.

### 2.4 Adjacent Land Use

The existing adjacent parcels and associated land uses are identified in Table 2:

Table 2 - Adjacent Parcels and Land Use

<b>Direction</b>	<b>Occupant</b>
North	Single-Family Residential
East	Single-Family Residential
South	Single-Family Residential
West	Single-Family Residential

### 2.5 Municipal Services & Utilities

The companies and/or agencies providing municipal services and utilities to the Subject Property are provided in Table 3.

Table 3 - Municipal Services and Utilities

Utility	Provider/Source
Potable Water Supply	East Bay Municipal Utility District
Sewage Disposal System	West County Wastewater District
Electricity	Pacific Gas & Electric
Natural Gas	Pacific Gas & Electric

### **3. USER PROVIDED INFORMATION**

The ASTM Standard Practice defines the User as the party seeking to use the Phase I ESA to evaluate the presence of Recognized Environmental Conditions associated with a property. For the purposes of this Phase I ESA, the User is Caliber Schools (with Pacific Charter Schools). The AAI Rule requires that specific tasks be performed by or on behalf of a party seeking to qualify for Landowner Liability Protection (LLP) under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). Per the ASTM Standard Practice, if the User has information that is material to evaluating Recognized Environmental Conditions, such information should be provided to the Environmental Professional. This information includes specialized knowledge or experience of the User, commonly known or reasonably ascertainable information within the local community, and knowledge that the purchase price of the property is lower than the fair market value due to contamination. A search of title records for environmental liens and activity and use record is also required. While such information is not required to be provided to the Environmental Professional, the Environmental Professional shall request that the User provide the results of these tasks as such information can assist the Environmental Professional in identifying Recognized Environmental Conditions. If the User does not communicate the information to the Environmental Professional, the Environmental Professional should consider the significance of the absence of information to be a data gap.

#### **3.1 Environmental Liens or Activity and Use Limitations**

An environmental lien is a financial instrument that may be used to recover past environmental cleanup costs. Activity and use limitations (AULs) can include other environmental encumbrances such as institutional and engineering controls. Institutional controls are legal or regulatory restrictions on a property's use, while engineering controls are physical mechanisms that restrict property access or use. The regulatory agency database records review described in Section 4 did not identify the Subject Property as being listed in Federal or State databases for properties that are subject to environmental liens.

#### **3.2 Specialized Knowledge or Experience, and/or Commonly Known or Reasonably Ascertainable Information**

Based on information provided by the User, Millennium understands that the User does not have any specialized knowledge, experience, and/or any commonly known or reasonably ascertainable information that is material to evaluating Recognized Environmental Conditions on the Subject Property.

## 4. RECORDS REVIEW

### 4.1 Standard Federal, State, and Tribal Environmental Record Sources

A records review of the standard environmental databases maintained by federal, state, and tribal offices was performed by EDR. The databases were searched for properties with reported environmental conditions located within the approximate minimum search distances as specified by the ASTM Standard Practice. This was done by using geocoded information that identified the coordinates of the properties in the databases or by checking the street addresses of practically reviewable non-geocoded “orphan” properties within the same zip code. For the purposes of the records review, the specified search distances are from the property lines of the Subject Property. The EDR report is presented as Appendix B.

The following table provides a summary of the findings of the environmental records review.

Table 4 - Summary of Standard Federal, State, and Tribal Environmental Record Sources

DATABASE REFERENCE	SEARCH RADIUS (miles)	SUBJECT PROPERTY	SURROUNDING/ADJOINING PROPERTIES	REC
<b>STANDARD ENVIRONMENTAL RECORDS</b>				
<b>Federal NPL site list</b>				
NPL	1.00	Not Listed	0 Listed	-
Proposed NPL	1.00	Not Listed	0 Listed	-
NPL LIENS	0.001	Not Listed	0 Listed	-
<b>Federal Delisted NPL Site List</b>				
Delisted NPL	1.00	Not Listed	0 Listed	-
<b>Federal CERCLIS List</b>				
FEDERAL FACILITY	0.50	Not Listed	0 Listed	-
SEMS	0.50	Not Listed	0 Listed	-
<b>Federal CERCLIS NFRAP Site List</b>				
SEMS-ARCHIVE	0.50	Not Listed	0 Listed	-
<b>Federal RCRA CORRACTS Facilities List</b>				
CORRACTS	1.00	Not Listed	0 Listed	-
<b>Federal RCRA non-CORRACTS TSD Facilities List</b>				
RCRA-TSDF	0.50	Not Listed	0 Listed	-
<b>Federal RCRA Generators List</b>				
RCRA-LQG	0.25	Not Listed	0 Listed	-
RCRA-SQG	0.25	Not Listed	0 Listed	-
RCRA-CESQG	0.25	Not Listed	0 Listed	-
<b>Federal Institutional Controls / Engineering Controls Registries</b>				
LUCIS	0.50	Not Listed	0 Listed	-
US ENG CONTROLS	0.50	Not Listed	0 Listed	-
US INST CONTROL	0.50	Not Listed	0 Listed	-
<b>Federal ERNS List</b>				
ERNS	0.001	Listed	0 Listed	No
<b>State and Tribal-Equivalent NPL</b>				
RESPONSE	1.00	Not Listed	0 Listed	-
<b>State and Tribal-Equivalent CERCLIS</b>				
ENVIROSTOR	1.00	Not Listed	6 Listed	No



DATABASE REFERENCE	SEARCH RADIUS (miles)	SUBJECT PROPERTY	SURROUNDING/ADJOINING PROPERTIES	REC
<b>State and Tribal Landfill and/or Solid Waste Disposal Site Lists</b>				
SWF/LF	0.50	Not Listed	0 Listed	-
<b>State and Tribal Leaking Storage Tank Lists</b>				
LUST	0.50	Not Listed	2 Listed	No
INDIAN LUST	0.50	Not Listed	0 Listed	-
SLIC	0.50	Not Listed	1 Listed	No
<b>State and Tribal Registered Storage Tank Lists</b>				
FEMA UST	0.25	Not Listed	0 Listed	-
UST	0.25	Not Listed	0 Listed	-
AST	0.25	Not Listed	0 Listed	-
INDIAN UST	0.25	Not Listed	0 Listed	-
<b>State and Tribal Voluntary Cleanup Sites</b>				
VCP	0.50	Not Listed	0 Listed	-
INDIAN VCP	0.50	Not Listed	0 Listed	-
<b>State and Tribal Brownfields Sites</b>				
BROWNFIELDS	0.50	Not Listed	0 Listed	-
<b>ADDITIONAL ENVIRONMENTAL RECORDS</b>				
<b>Local Brownfield Lists</b>				
US BROWNFIELDS	0.50	Not Listed	0 Listed	-
<b>Local Lists of Landfill / Solid Waste Disposal Sites</b>				
WMUDS/SWAT	0.50	Not Listed	0 Listed	-
SWRCY	0.50	Not Listed	0 Listed	-
HAULERS	0.001	Not Listed	0 Listed	-
INDIAN ODI	0.50	Not Listed	0 Listed	-
DEBRIS REGION 9	0.50	Not Listed	0 Listed	-
ODI	0.50	Not Listed	0 Listed	-
IHS OPEN DUMPS	0.50	Not Listed	0 Listed	-
<b>Local Lists of Hazardous Waste / Contaminated Sites</b>				
US HIST CDL	0.001	Not Listed	0 Listed	-
HIST Cal-Sites	1.00	Not Listed	0 Listed	-
SCH	0.25	Not Listed	0 Listed	-
CDL	0.001	Not Listed	0 Listed	-
Toxic Pits	1.00	Not Listed	0 Listed	-
US CDL	0.001	Not Listed	0 Listed	-
<b>Local Lists of Registered Storage Tanks</b>				
SWEEPS UST	0.25	Not Listed	0 Listed	-
HIST UST	0.25	Not Listed	0 Listed	-
CA FID UST	0.25	Not Listed	0 Listed	-
<b>Local Land Records</b>				
LIENS	0.001	Not Listed	0 Listed	-
LIENS 2	0.001	Not Listed	0 Listed	-
DEED	0.50	Not Listed	0 Listed	-
<b>Records of Emergency Release Reports</b>				
HMIRS	0.001	Not Listed	0 Listed	-
CHMIRS	0.001	Listed	0 Listed	No
LDS	0.001	Not Listed	0 Listed	-
MCS	0.001	Not Listed	0 Listed	-
SPILLS 90	0.001	Not Listed	0 Listed	-
<b>Other Ascertainable Records</b>				
RCRA NonGen/NLR	0.25	Not Listed	4 Listed	No
FUDS	1.00	Not Listed	0 Listed	-

<b>DATABASE REFERENCE</b>	<b>SEARCH RADIUS (miles)</b>	<b>SUBJECT PROPERTY</b>	<b>SURROUNDING/ADJOINING PROPERTIES</b>	<b>REC</b>
DOD	1.00	Not Listed	0 Listed	-
SCRD DRYCLEANERS	0.50	Not Listed	0 Listed	-
US FIN ASSUR	0.001	Not Listed	0 Listed	-
EPA WATCH LIST	0.001	Not Listed	0 Listed	-
2020 COR ACTION	0.25	Not Listed	0 Listed	-
TSCA	0.001	Not Listed	0 Listed	-
TRIS	0.001	Not Listed	0 Listed	-
SSTS	0.001	Not Listed	0 Listed	-
ROD	1.00	Not Listed	0 Listed	-
RMP	0.001	Not Listed	0 Listed	-
RAATS	0.001	Not Listed	0 Listed	-
PRP	0.001	Not Listed	0 Listed	-
PADS	0.001	Not Listed	0 Listed	-
ICIS	0.001	Not Listed	0 Listed	-
FTTS	0.001	Not Listed	0 Listed	-
MLTS	0.001	Not Listed	0 Listed	-
COAL ASH DOE	0.001	Not Listed	0 Listed	-
COAL ASH EPA	0.50	Not Listed	0 Listed	-
PCB TRANSFORMER	0.001	Not Listed	0 Listed	-
RADINFO	0.001	Not Listed	0 Listed	-
HIST FTTS	0.001	Not Listed	0 Listed	-
DOT OPS	0.001	Not Listed	0 Listed	-
CONSENT	1.00	Not Listed	0 Listed	-
INDIAN RESERV	0.001	Not Listed	0 Listed	-
FUSRAP	1.00	Not Listed	0 Listed	-
UMTRA	0.50	Not Listed	0 Listed	-
LEAD SMELTERS	0.001	Not Listed	0 Listed	-
US AIRS	0.001	Not Listed	0 Listed	-
US MINES	0.25	Not Listed	0 Listed	-
ABANDONED MINES	0.001	Not Listed	0 Listed	-
FINDS	0.001	Not Listed	0 Listed	-
UXO	1.00	Not Listed	0 Listed	-
DOCKET HWC	0.001	Not Listed	0 Listed	-
ECHO	0.001	Not Listed	0 Listed	-
FUELS PROGRAM	0.25	Not Listed	0 Listed	-
CA BOND EXP. PLAN	1.00	Not Listed	0 Listed	-
San Mateo Co. BI	0.250	Not Listed	0 Listed	-
Cortese	0.50	Not Listed	1 Listed	No
CUPA Listings	0.25	Not Listed	0 Listed	-
DRYCLEANERS	0.25	Not Listed	0 Listed	-
EMI	0.001	Not Listed	0 Listed	-
ENF	0.001	Not Listed	0 Listed	-
Financial Assurance	0.001	Not Listed	0 Listed	-
HAZNET	0.001	Listed	0 Listed	No
ICE	0.001	Not Listed	0 Listed	-
HIST CORTESE	0.50	Not Listed	3 Listed	No
HWP	1.00	Not Listed	0 Listed	-
HWT	0.25	Not Listed	0 Listed	-
MINES	0.001	Not Listed	0 Listed	-
MWMP	0.25	Not Listed	0 Listed	-
NPDES	0.001	Not Listed	0 Listed	-

<b>DATABASE REFERENCE</b>	<b>SEARCH RADIUS (miles)</b>	<b>SUBJECT PROPERTY</b>	<b>SURROUNDING/ADJOINING PROPERTIES</b>	<b>REC</b>
PEST LIC	0.001	Not Listed	0 Listed	-
PROC	0.50	Not Listed	0 Listed	-
Notify 65	1.00	Not Listed	0 Listed	-
UIC	0.001	Not Listed	0 Listed	-
WASTEWATER PITS	0.50	Not Listed	0 Listed	-
WDS	0.001	Not Listed	0 Listed	-
WIP	0.25	Not Listed	0 Listed	-
<b>EDR HIGH RISK HISTORICAL RECORDS</b>				
<b>EDR Exclusive Records</b>				
EDR MGP	1.00	Not Listed	0 Listed	-
EDR Hist Auto	0.125	Not Listed	0 Listed	-
EDR Hist Cleaner	0.125	Not Listed	0 Listed	-
<b>EDR RECOVERED GOVERNMENT ARCHIVES</b>				
<b>Exclusive Recovered Government Archives</b>				
RGA LF	0.001	Not Listed	0 Listed	-
RGA LUST	0.001	Not Listed	0 Listed	-

## 4.2 Standard Federal Environmental Records

In accordance with the ASTM Standard Practice, the following standard federal environmental records were searched for sites within the appropriate minimum search distance. The following listings comprise the NPL database.

### 4.2.1 Federal NPL Site List

The US Environmental Protection Agency (USEPA) maintains the National Priority List (NPL) database, which is a subset of the CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System). The NPL is a listing of sites that are ranked as high priority for cleanup under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA; Superfund) program.

#### 4.2.1.1 Federal National Priority List Sites (NPL)

The NPL database contains information on sites that are currently listed on the NPL. A review of the NPL database, as provided by EDR, revealed that no listed sites are located within a 1.0-mile search radius of the Subject Property.

#### 4.2.1.2 Federal Proposed National Priority List Sites (Proposed NPL)

The proposed NPL database contains information on sites that have been proposed for listing on the NPL through the issuance of a proposed rule in the Federal Register. The 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. A review of the proposed NPL database, as provided by EDR, revealed that no listed sites are located within a 1.0-mile search radius of the Subject Property.

#### 4.2.1.3 Federal Superfund Liens (NPL LIENS)

The NPL LIENS database contains information on liens that have been filed by the USEPA against real property to recover remedial action expenditures or when the property owner received notification of potential liability. The USEPA compiles and maintains a listing of filed notices of Superfund Liens. A review of the Federal NPL LIENS database, as provided by EDR, revealed that the Subject Property is not a listed site.

#### 4.2.1.4 National Priority List Deletions (Delisted NPL)

The delisted NPL sites database contains information on sites that have been deleted from the NPL when the USEPA has concurred that no further response was required. The USEPA compiles and maintains a database of delisted NPL sites. A review of the delisted NPL site database, as provided by EDR, revealed that no listed sites are located within a 1.0-mile search radius of the Subject Property.

### 4.2.2 **Federal CERCLIS List**

The USEPA investigates known or suspected uncontrolled or abandoned hazardous substance facilities under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). The USEPA maintained a comprehensive list of these facilities in a database known as the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS). In 2015, the USEPA renamed CERCLIS to the Superfund Enterprise Management System (SEMS) Site List. This list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies, and private persons, pursuant to CERCLA Section 103. This dataset also contains sites which are either proposed to the NPL and the sites which are in the screening and assessment phase for possible inclusion on the NPL. These sites have either been investigated or are currently under investigation by the USEPA for release or threatened release of hazardous substances. Once a site was placed in CERCLIS, it may be subjected to several levels of review and evaluation and ultimately placed on the NPL. The following databases comprised the CERCLIS database.

#### 4.2.2.1 Federal Facility Site Information Listing (FEDERAL FACILITY)

The Federal Facility Site Information Listing contains NPL and Base Realignment and Closure (BRAC) sites found in the CERCLIS database where the USEPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities. A review of the Federal Facility Site Information Listing database, as provided by EDR, revealed that no listed sites are located within a 1.0-mile search radius of the Subject Property.

#### 4.2.2.2 Superfund Enterprise Management System Site List (SEMS)

The Superfund Enterprise Management System (SEMS) tracks hazardous waste sites, potentially hazardous waste sites and remedial activities performed in support of the USEPA's Superfund Program. This list was formerly known as CERCLIS, and was renamed to SEMS by the USEPA in

2015. This list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies, and private persons, pursuant to CERCLA Section 103. This dataset also contains sites which are either proposed to the NPL and the sites which are in the screening and assessment phase for possible inclusion on the NPL. A review of the SEMS database, as provided by EDR, revealed that no listed sites are located within a 1.0-mile search radius of the Subject Property.

#### 4.2.2.3 Superfund Enterprise Management System Archive Site List (SEMS-ARCHIVE)

The Superfund Enterprise Management System Archive (SEMS-ARCHIVE) tracks sites that have no further interest under the USEPA Superfund Program based on available information. The list was formerly known as the CERCLIS No Further Remedial Action Planned (CERLIS-NFRAP), and was renamed to SEMS-ARCHIVE in 2015. The SEMS-ARCHIVE sites may include sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the site being placed on the NPL, or the contamination was deemed not serious enough to require Federal Superfund action or NPL consideration. The USEPA has removed these sites from SEMS to lift unintended barriers to the redevelopment of these properties. This policy change is part of the USEPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens promote economic redevelopment of unproductive urban sites. A review of the SEMS-ARCHIVE database, as provided by EDR, revealed that no listed sites are located within a 0.5-mile search radius of the Subject Property.

#### 4.2.3 **Federal RCRA Corrective Action Reports Facilities List (CORRACTS)**

The USEPA regulates hazardous waste under the Resource Conservation and Recovery Act (RCRA). The USEPA maintains the Corrective Action Reports (CORRACTS) database, which is a listing of RCRA facilities that are undergoing corrective action. A corrective action order is issued pursuant to RCRA Section 3008(h) when there has been a release of hazardous waste or constituents into the environment from a RCRA facility. Corrective actions may be required beyond the boundary of the facility and can be required even if the release predated RCRA. A review of the CORRACTS database, as provided by EDR, revealed that no listed facilities are located within a 1.0-mile search radius of the Subject Property.

#### 4.2.4 **Federal RCRA Treatment, Storage, and Disposal Facilities List (RCRA\_TSDF)**

The USEPA regulates hazardous waste under RCRA and identifies and tracks hazardous waste from the point of generation to the point of disposal. RCRAInfo is EPA's comprehensive information system, providing access to data supporting RCRA 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 RCRA. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. A review of the Federal RCRA non-CORRACTS transporter, storage, and

disposal (RCRA-TSDF) facilities database, as provided by EDR, revealed that no listed facilities are located within a 0.5-mile search radius of the Subject Property.

#### **4.2.5 Federal RCRA Generators List (RCRA-LQG, RCRA-SQG, and RCRA-CESQG)**

The USEPA regulates hazardous waste under RCRA and maintains a database of facilities, which generate hazardous waste or treat, store, and/or dispose of hazardous wastes. Large Quantity Generators (LQG) generate 1,000 kilograms or greater of hazardous waste per month, or greater than 1 kilogram of acutely hazardous waste per month. Small Quantity Generators (SQG) generate more than 100 kilograms, but less than 1,000 kilograms of hazardous waste per month. Conditionally Exempt Small Quantity Generators (CESQG) generate 100 kilograms or less of hazardous waste per month, or 1 kilogram or less of acutely hazardous waste per month. A review of the Federal RCRA Hazardous Waste Generator database, as provided by EDR, revealed that the Subject Property is not a listed site.

None of the listed sites represent a Recognized Environmental Condition on the Subject Property.

#### **4.2.6 Federal Institutional Controls/Engineering Control Registries (LUCIS, US ENG CONTROLS, and US INST CONTROLS)**

The Federal Institutional Control/Engineering Control Registries consist of three separate databases. The Land Use Control Information System (LUCIS) is operated by the Department of the Navy and contains records of land use control information pertaining to former Navy Base Realignment and Closure (BRAC) properties. The US Sites with Institutional Controls List is operated by the USEPA and is 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 requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls. The US Engineering Controls Sites List is operated by the USEPA and is 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 to affect human health. A review of the Federal Institutional Control/Engineering Control Registries, as provided by EDR, revealed that no listed sites are located within a 0.5-mile search radius of the Subject Property.

#### **4.2.7 Federal Emergency Response Notification List (ERNS)**

The Emergency Response Notification System (ERNS) is a national database used to collect and store information on unauthorized releases of oil and hazardous substances. The program is a cooperative effort of the USEPA, the Department of Transportation Volpe National Transportation System Center and the US Coast Guard National Response Center. There are primarily five (5) Federal statutes that require release reporting: CERCLA section 103; the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304; the Clean Water Act of 1972 (CWA) Section 311(b)(3); and the Hazardous Material Transportation Act of 1974 (HMTA) section 1808(b). A review

of the ERNS database, as provided by EDR, revealed that the Subject Property is a listed site. A pad mounted transformer blew out and released oil onto the ground in February 2008. This does not represent a Recognized Environmental Condition on the Subject Property.

#### 4.2.8 State and Tribal-Equivalent NPL Site List (RESPONSE-CA)

The California DTSC maintains the RESPONSE-CA database, which is a listing of hazardous substance sites targeted for cleanup. The RESPONSE-CA database identifies release sites where DTSC is involved in remediation, either as a lead or an oversight capacity. These confirmed release sites are generally considered to be high priority and present a high potential risk to human health. A review of the RESPONSE-CA database, as provided by EDR, revealed that no listed sites are located within a 1.0-mile search radius of the Subject Property.

#### 4.2.9 State and Tribal-Equivalent CERCLIS List (CA ENVIROSTOR)

The DTSC maintains the ENVIROSTOR database, which is a listing of sites with known contamination or sites which are under consideration for further investigation. The ENVIROSTOR 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 that was previously available in CalSites, as well as additional 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 use, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites. A review of the CA ENVIROSTOR database, as provided by EDR, revealed that 6 listed sites are located within a 1.0-mile search radius of the Subject Property.

Table 5 - State and Tribal Equivalent CERCLIS List

Dist (mi)	Elev	ENVIROSTOR ID	Site	Site Address	Site Status	Site Type	SP REC
0.676 SW	Higher	7830004	CA Autism Found., A.	4075 Lakeside Dr.	No Action Required	Cal-Mortgage	N
0.715 W	Lower	7330017	Montalvin Manor	Christine Dr.	No Further Action	Historical	N
0.762 WSW	Lower	7290028	Chevron Hilltop West Project	Atlas Road and San Pablo Avenue	Refer: RWQCB	Historical	N
0.805 W	Lower	7330012	United Parcel Service	1601 Atlas Road	Refer: RWQCB	Historical	N
0.909 E	Higher	60001904	Appian 80 Express Cleaners	1577 Tara Hills Dr.	Active	Historical	N
0.923 ENE	Higher	S118757489	CA Autism Foundation	982 Marlesta Road	No Action Required	Historical	N

None of the listed sites represent a Recognized Environmental Condition on the Subject Property.

#### 4.2.10 State and Tribal-Equivalent Landfill and/or Solid Waste Disposal Site Lists (CA SWF/LF)

The Solid Waste Facilities/Landfill Sites (CA SWF/LF) database contains information on active, closed, and inactive landfills. The CA SWF/LF database typically contains an inventory of solid waste disposal facilities or landfills. These may be inactive or active facilities or open dumps that failed to meet RCRA Section 2004 criteria for solid waste landfills or disposal sites. The data come from the Integrated Waste Management Board's Solid Waste Information System (SWIS) database. A review of the CA SWF/LF database, as provided by EDR, revealed that no listed sites are located within a 0.5-mile search radius of the Subject Property.

#### State, Tribal-Equivalent, and Local Leaking Underground Storage Tank Lists (CA LUST)

The California State Water Resources Control Board (Water Board) Leaking Underground Storage Tank (CA LUST) Incident Reports database contains an inventory of reported leaking underground storage tanks. A review of the CA LUST database, as provided by EDR, reveals that the Subject Property is a listed site and that there are 2 additional listed sites are located within a 0.5-mile search radius of the Subject Property.

Table 6 - State and Tribal-Equivalent Leaking Underground Storage Tank Lists

Dist (mi)	Elev	Global ID	Site	Site Address	Site Status	Site Type	COPC	SP REC
0.297 NNW	Lower	T0601300305	Former Exxon(Cluster 1/2)	16400 San Pablo Ave	Completed-Closed	LUST Cleanup	Diesel, Gasoline, Waste Oil	N
0.297 NNW	Lower	T0601300305	Former Exxon(Cluster 2/2)	16400 San Pablo Ave	Completed-Closed	LUST Cleanup	Diesel, Gasoline, Waste Oil	N

None of the listed sites represent a Recognized Environmental Condition on the Subject Property.

#### 4.2.11 State Spills, Leaks, Investigations, and Cleanup (CA SLIC) List

The State Water Board Spills, Leaks, Investigations and Cleanup (CA SLIC) program is designed to protect and restore water quality from spills, leaks, and similar discharges. The statewide CA SLIC database contains a listing of sites that impact groundwater or have the potential to impact groundwater. The San Francisco Bay Regional Water Quality and Control Board maintains the regional SLIC REG 4 database. A review of the CA SLIC and SLIC REG 4 listings, as provided by EDR, revealed that one site is located within a 0.5-mile search radius of the Subject Property.



Table 7 – State Spills, Leaks, Investigations, and Cleanup List

Dist (mi)	Elev	Global ID	Site	Site Address	Site Status	Site Type	COPC	SP REC
0.381 SW	Lower	SLT2O236332	Chevron Land And Dev Co Roertson Homes	Unknown Garrity Creek and Atlas South of Richmond	Open-Verification Monitoring	Cleanup Program	Arsenic, Other Metal, Crude Oil, Gasoline	N

None of the listed sites represent a Recognized Environmental Condition on the Subject Property.

#### 4.2.12 Federal, State, and Tribal Registered Storage Tank Lists

##### 4.2.12.1 Federal Emergency Management Agency (FEMA) Underground Storage Tank List (FEMA UST)

The Federal Emergency Management Agency (FEMA) maintains the FEMA UST database, which is a listing of FEMA-owned underground storage tanks (USTs). A review of the FEMA UST list, as provided by EDR, revealed that no listed sites are located within a 0.25-mile search radius on the Subject Property.

##### 4.2.12.2 State Active Underground Storage Tank Facilities (CA UST)

The State Water Board maintains an Underground Storage Tank (CA UST) database, which is a listing of active permitted UST facilities provided to the Water Board from the local regulatory agencies. Per the Water Board GeoTracker data management system, the CA UST listings are no longer being kept up to date. A review of the CA UST list, as provided by EDR, revealed that no listed sites are located within a 0.25-mile search radius of the Subject Property.

##### 4.2.12.3 State Aboveground Petroleum Storage Tank (CA AST) Facilities

The California Environmental Protection Agency (Cal/EPA) maintains a listing (CA AST) of aboveground petroleum storage tank facilities. A review of the CA AST list, as provided by EDR, revealed that no listed sites are located within a 0.25-mile search radius of the Subject Property.

##### 4.2.12.4 Underground Storage Tank Facilities on Indian Land (INDIAN UST R9)

The USEPA maintains the Indian Underground Storage Tank (INDIAN UST R9) facilities database which provides information about underground storage tanks in USEPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations). A review of the INDIAN UST R9 database, as provided by EDR, revealed that no listed facilities are located within a 0.25-mile search radius of the Subject Property.

#### **4.2.13 State and Tribal Voluntary Cleanup Sites**

##### **4.2.13.1 Indian Voluntary Cleanup Priority Site List (INDIAN VCP R9)**

The USEPA maintains the Indian Voluntary Cleanup Priority (INDIAN VCP R9) database, which is a listing of voluntary cleanup priority sites located in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations). A review of the INDIAN VCP R9 list, as provided by EDR, revealed that no listed sites are located within a 0.5-mile search radius of the Subject Property.

##### **4.2.13.2 DTSC Voluntary Cleanup Program Properties (VCP-CA)**

The DTSC maintains the voluntary cleanup property (VCP-CA) database which is a listing of properties that post a low threat due to either confirmed or unconfirmed releases and where the project proponents have requested that the DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for reimbursing the DTSC's costs. A review of the DTSC VCP-CA database, as provided by EDR, revealed that no listed sites are located within a 0.5-mile search radius of the Subject Property.

##### **4.2.13.3 State and Tribal Brownfields Site Listing (CA BROWNFIELDS)**

The State Water Board Brownfields Program maintains a listing of Brownfields (CA BROWNFIELDS) sites. Brownfields are underutilized properties where reuse is hindered by the actual or suspected presence of pollution/contamination. Cleanup and redevelopment of these sites benefits the environment and communities by eliminating pollution/contamination problems, allowing economic growth, and revitalizing neighborhoods. A review of the CA BROWNFIELDS list, as provided by EDR, revealed that no listed sites are located within a 0.5-mile search radius of the Subject Property.

#### **4.3 Additional Environmental Records**

##### **4.3.1 Federal Brownfields Sites**

###### **4.3.1.1 US BROWNFIELDS**

The USEPA maintains a listing of brownfields sites in the Assessment, Cleanup, and Redevelopment Exchange System (ACRES) database. ACRES stores information reported by USEPA Brownfields grants recipients as well as Targeted Brownfields Assessments performed by USEPA Regional offices. A review of the US BROWNFIELDS list, as provided by EDR, revealed that no listed sites are located within a 0.5-mile search radius of the Subject Property.

##### **4.3.2 Local Lists of Landfill and Solid Waste Disposal Sites**

###### **4.3.2.1 Water Board Waste Management Unit Database (CA WMUDS/SWAT)**

The State and Regional Water Boards maintain the Waste Management Unit Database System (WMUDS) for program tracking and inventory of waste management units. WMUDS is used to

maintain information on facilities, scheduled inspections, waste management units, solid waste assessment test (SWAT) programs, SWAT report data and summaries, Chapter 15 monitoring parameters, Toxic Pits Cleanup Act of 1984 (TPCA) programs, RCRA Programs, closure information, and Interested Parties. A review of CA WMUDS/SWAT database, as provided by EDR, revealed that no listed sites are located within a 0.5-mile search radius of the Subject Property.

#### 4.3.2.2 State Waste and Recycling Facilities Database (CA SWRCY)

The California Department of Conservation maintains the State Waste and Recycling Facilities (CA SWRCY) database of recycling facilities in California. A review of the CA SWRCY database, as provided by EDR, revealed that no listed sites are located within a 0.5-mile search radius of the Subject Property.

#### 4.3.2.3 State Registered Waste Tire Haulers Database (CA HAULERS)

The California Integrated Waste Management Board (CalRecycle) maintains a listing of registered waste tire haulers. A review of the HAULERS-CA database, as provided by EDR, revealed that the Subject Property is not a listed site.

#### 4.3.2.4 Report on the Status of Dumps on Indian Lands (TRIBAL ODI)

The USEPA maintains the TRIBAL ODI database, which is a listing of open dumps on Indian land. A review of the TRIBAL ODI database, as provided by EDR, revealed that no listed sites are located within a 0.5-mile search radius of the Subject Property.

#### 4.3.2.5 Open Dump Inventory (ODI)

The USEPA created the Open Dump Inventory (ODI) which is a listing of open dumps as a disposal facility that does not comply with one or more of Part 257 or 258 Subtitle D criteria. The ODI was last updated in 2004. A review of the ODI database, as provided by EDR, revealed that no listed sites are located within a 0.5-mile search radius of the Subject Property.

### **4.3.3 Local Lists of Hazardous Waste / Contaminated Sites**

#### 4.3.3.1 Historical National Clandestine Laboratory Register (US HIST CDL)

The US Drug Enforcement Agency (US DEA) maintains the US HIST CDL database, which is a listing of clandestine drug lab locations that have been removed from the US DEA National Clandestine Laboratory Register. A review of the US HIST CDL database, as provided by EDR, revealed that the Subject Property is not a listed site.

#### 4.3.3.2 Historical CalSites Database (CA HIST CALSITES)

The DTSC created the CALSITES database which lists properties where potential or confirmed hazardous substance releases has occurred. The Cal-Sites database is no longer being updated by the

DTSC and has been replaced with EnviroStor. A review of the CA HIST CALSITES database, as provided by EDR, revealed that no listed sites are located within a 0.5-mile search radius of the Subject Property.

#### 4.3.3.3 School Property Evaluation Program (CA SCH)

The DTSC CA SCH database contains proposed and existing school sites that are being evaluated by the DTSC for possible hazardous materials contamination. A review of the CA SCH database, as provided by EDR, revealed that no listed sites are located within a 0.25-mile search radius of the Subject Property.

#### 4.3.3.4 Clandestine Drug Labs (CA CDL)

The DTSC maintains the CA CDL database which is a listing of clandestine drug lab locations. The listing of a property in the CA CDL database does not indicate that any illegal drug lab materials were or were not present at the property and does not constitute a determination that the location requires additional cleanup work. A review of the CA CDL database, as provided by EDR, revealed that the Subject Property is not a listed site.

#### 4.3.3.5 Toxic Pits Cleanup Act Sites (CA TOXIC PITS)

The State Water Board maintains the CA TOXIC PITS database, which identifies sites suspected of containing hazardous substances where cleanup activities have not yet been completed. The State Water Board has not updated the CA TOXIC PITS database since 2009. A review of the CA TOXIC PITS database, as provided by EDR, revealed that no listed sites are located within a 1.0-mile search radius of the Subject Property.

#### 4.3.3.6 Clandestine Drug Labs (US CDL)

The US DEA maintains the US CDL database, which is a listing of locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. A review of the US CDL, as provided by EDR, revealed that the Subject Property is not a listed site.

### 4.3.4 **Local Lists of Registered Storage Tanks**

#### 4.3.4.1 Statewide Environmental Evaluation and Planning System (CA SWEEPS UST)

The State Water Board created the CA SWEEPS UST database, which is a statewide listing of registered USTs. The database was created in the early-1990s and is no longer maintained. A review of the CA SWEEPS UST database, as provided by EDR, revealed that no listed sites are located within a 0.25-mile search radius of the Subject Property.

#### 4.3.4.2 Hazardous Substance Storage Container Database (CA HIST UST)

The State Water Board Hazardous Substance Storage Container (CA HIST UST) Database is a listing of historical UST sites. The database was created in the early-1990s and is no longer being maintained. A review of the HIST UST-CA database, as provided by EDR, revealed that no listed sites are located within a 0.25-mile search radius of the Subject Property.

#### 4.3.4.3 Facility Inventory Database (FID UST-CA)

The State Water Board Facility Inventory Database (FID UST-CA) contains a historical listing of active and inactive UST locations. This database was created in the mid-1990s and is no longer being maintained. A review of the FID UST-CA database, as provided by EDR, revealed that no listed sites are located within a 0.25-mile search radius of the Subject Property.

### 4.3.5 **Local Land Records**

#### 4.3.5.1 DTSC Environmental Liens Listing (CA LIENS)

The DTSC maintains a listing of property locations with environmental liens in California where the DTSC is a lien holder. A review of the CA LIENS database, as provided by EDR, revealed that no listed sites are located within a 0.5-mile search radius of the Subject Property.

#### 4.3.5.2 USEPA CERCLA Liens Listing (LIENS 2)

The USEPA maintains a listing of property locations with CERCLA liens. A review of the LIENS 2 database, as provided by EDR, revealed the presence of no listed sites located within a 0.5-mile search radius of the Subject Property.

#### 4.3.5.3 Deed Restriction Listings (CA DEED)

The DTSC and the State Water Board maintain a listing of brownfield sites and remediated properties with land use restrictions that were required because of the presence of hazardous substances that remained on site after the facility (or part of the facility) has been closed or cleaned up. These types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners. A review of the CA DEED database, as provided by EDR, revealed that no listed sites are located within a 0.5-mile search radius of the Subject Property.

### 4.3.6 **Local Land Records**

#### 4.3.6.1 Hazardous Materials Information Reporting System (HMIRS (DOT))

The US Department of Transportation (US DOT) maintains the Hazardous Materials Information Reporting System (HMIRS (DOT)) database, which contains a listing of reported hazardous spill incidents. A review of the HMIRS (DOT) database, as provided by EDR, revealed that the Subject Property is not a listed site.

#### 4.3.6.2 California Hazardous Materials Information Reporting System (CHMIRS-CA)

The California Office of Emergency Services (OES) maintains the California Hazardous Material Incident Reporting System (CHMIRS) database which is a listing of reported accidental releases or spills of hazardous materials. A review of the HMIRS-CA database, as provided by EDR, revealed that the Subject Property is a listed site. The site does not represent a Recognized Environmental Condition on the Subject Property.

#### 4.3.6.3 Land Disposal Sites Listing (LDS-CA)

The State Water Board maintains the Land Disposal Sites (LDS-CA) database, which is a listing of sites where waste is discharged to land for treatment, storage, and disposal in WMUs. A review of the LDS-CA database, as provided by EDR, revealed that the Subject Property is not a listed site.

#### 4.3.6.4 Military Cleanup Sites Listing (MCS-CA)

The State and Regional Water Boards partner with the United States Department of Defense (US DOD) through the Defense and State Memorandum of Agreement (DSMOA) to oversee the investigation and remediation of water quality issues at military facilities. A review of the MCS-CA database, as provided by EDR, revealed that the Subject Property is not a listed site.

#### 4.3.6.5 State Spills Listing (CA SPILLS 90)

The SPILLS90 database is maintained by FirstSearch Technology Corporation and is a listing of hazardous materials spills reported to the Regional Water Boards. A review of the SPILLS90 database, as provided by EDR, revealed that the Subject Property is not a listed site.

### 4.3.7 **Other Ascertainable Records**

#### 4.3.7.1 RCRA Non-Generators/No Longer Regulated (RCRA NONGEN/NLR)

The USEPA maintains the RCRAInfo database which is a listing of facilities that generate, store, and dispose of hazardous waste as defined by RCRA. The RCRA non-generators (RCRA NONGEN/NLR) database is a listing of sites that do not presently generate hazardous waste. A review of the RCRAInfo database, as provided by EDR, revealed that 4 listed sites are located within a 0.25-mile search radius of the Subject Property.

Table 8 - RCRA NonGen/NLR List

<b>Dist (mi)</b>	<b>Elev</b>	<b>EPA ID</b>	<b>Site</b>	<b>Site Address</b>	<b>Violations</b>	<b>SP REC</b>
0.123 SSW	Lower	CAD980888754	Will M Dye	2616 Kenney Dr	No	N
0.152 SSW	Lower	CAD980736920	Paki Trucking	2571 Kenney Dr.	No	N

<b>Dist (mi)</b>	<b>Elev</b>	<b>EPA ID</b>	<b>Site</b>	<b>Site Address</b>	<b>Violations</b>	<b>SP REC</b>
0.233 ENE	Lower	CAD980694533	Rogers Rick Trucking	2367 Shannon Ave	No	N
0.238 NW	Higher	CAD980737662	Woods Trucking Co	2652 Rim Rd.	No	N

None of the listed sites represent a Recognized Environmental Condition on the Subject Property.

#### 4.3.7.2 Formerly Used Defense Sites (FUDS)

The US Army Corps of Engineers (US ACE) maintains the formerly used defense sites (FUDS) database, which is a listing of former military sites actively performing or planning to perform cleanup actions. A review of the FUDS database, as provided by EDR, revealed that no listed sites are located within a 1.0-mile search radius of the Subject Property.

#### 4.3.7.3 Department of Defense Sites (DOD)

The US Geological Survey (USGS) maintains the US DOD sites (DOD) database, which is a listing of federally owned or US DOD administered lands in the United States, Puerto Rico, or the US Virgin Islands that have an area equal or greater than 640 acres. A review of the FUDS database, as provided by EDR, revealed that no listed sites are located within a 1.0-mile search radius of the Subject Property.

#### 4.3.7.4 Federal and Indian Lands (FEDLAND)

The US Geological Survey (USGS) maintains the Federal and Indian Lands (FEDLANDS) database, which is a listing of federally owned or administered lands in the United States. A review of the FEDLANDS database, as provided by EDR, revealed that no listed sites are located within a 1.0-mile search radius of the Subject Property.

#### 4.3.7.5 State Coalition for Remediation of Drycleaners Listing (SCRD DRYCLEANERS)

The USEPA maintains the State Coalition for Remediation of Drycleaners Listing (SCRD DRYCLEANERS) database. A review of the SCR DRYCLEANERS database, as provided by EDR, revealed that no listed sites are located within a 0.5-mile search radius of the Subject Property.

#### 4.3.7.6 Financial Assurance Information (US FIN ASSUR)

The USEPA maintains the Financial Assurance Information (US FIN ASSUR) database, which is a listing of hazardous waste facilities which are required to provide financial proof that they will have sufficient funds to pay for the cleanup, closure, and post-closure care of their facilities. A review of the US FIN ASSUR database, as provided by EDR, revealed that no listed facilities are located within a 0.25-mile search radius of the Subject Property.

#### 4.3.7.7 USEPA Watch List (EPA WATCH LIST)

The USEPA maintains a “watch list” to facilitate dialogue between the USEPA, state, and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as being either significant or of high priority. A review of the EPA WATCH LIST database, as provided by EDR, revealed that the Subject Property is not a listed site.

#### 4.3.7.8 USEPA 2020 Corrective Action Program List (2020 COR ACTION)

The USEPA maintains the 2020 RCRA Corrective Action Universe (2020 COR ACTION) which is a listing of facilities expected to require corrective action. A review of the 2020 COR ACTION database, as provided by EDR, revealed that no listed sites are located within a 0.5-mile search radius of the Subject Property.

#### 4.3.7.9 Toxic Substances Control Act Chemical Substance Inventory List (TSCA)

The USEPA maintains the Toxic Substances Control Act (TSCA) Chemical Substance Inventory List which includes data on the production volume of TSCA-regulated substances by plant site. A review of the TSCA database, as provided by EDR, revealed that the Subject Property is not a listed site.

#### 4.3.7.10 Toxic Chemical Release Inventory System (TRIS)

The USEPA maintains the Toxic Chemical Release Inventory System (TRIS) database, which is a listing of facilities which release toxic chemicals to the air, water, and land in reportable quantities under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 313. A review of the TRIS database, as performed by EDR, revealed that the Subject Property is not a listed facility.

#### 4.3.7.11 Section 7 Tracking Systems (SSTS)

The USEPA maintains the Section 7 Tracking Systems (SSTS) database, which is a listing of facilities that produce registered pesticides under Section 7 of the Federal Insecticide, Fungicide, and Rodenticide Act. A review of the SSTS database, as provided by EDR, revealed that the Subject Property is not a listed facility.

#### 4.3.7.12 USEPA Records of Decision (ROD)

The USEPA maintains the Records of Decision (ROD) database, which is a listing of ROD documents that mandate permanent remedies at NPL sites. A review of the ROD database, as provided by EDR, revealed that no listed sites are located within a 1.0-mile radius of the Subject Property.

#### 4.3.7.13 USEPA Risk Management Plans (RMP)

The USEPA maintains the Risk Management Plan (RMP) database, which is a listing of regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The



RMP database includes a listing of accidents at a listed facility for the previous five years. A review of the RMP database, as provided by EDR, revealed that the Subject Property is not a listed site.

#### 4.3.7.14 RCRA Administrative Action Tracking System (RAATS)

The USEPA maintains the RCRA Administrative Action Tracking System (RAATS) database, which is a listing of records of enforcement actions pertaining to major violations under RCRA. The USEPA has not updated the RAATS database since 1995. A review of the RAATS database, as provided by EDR, revealed that the Subject Property is not a listed site.

#### 4.3.7.15 Potentially Responsible Parties (PRP)

The USEPA maintains the Potentially Responsible Parties (PRP) database, which is a listing of verified PRPs. A review of the PRP database, as provided by EDR, revealed that the Subject Property is not a listed site.

#### 4.3.7.16 PCB Activity Database System (PCB TRANSFORMER)

The USEPA maintains the PCB Activity Database System (PADS) database, which is a listing of generators, transporters, commercial storage and/or brokers, and disposers of PCBs who are required to notify the USEPA of such activities. A review of the PADS database, as provided by EDR, revealed that the Subject Property is not a listed site.

#### 4.3.7.17 Integrated Compliance Information System (ICIS)

The USEPA maintains the Integrated Compliance Information System (ICIS), which is a listing of facilities which have been issued permits to discharge wastewater under the National Pollutant Discharge Elimination System (NPDES). A review of the ICIS database, as provided by EDR, revealed that the Subject Property is not a listed site.

#### 4.3.7.18 FIFRA/TSCA Tracking System (FTTS)

The USEPA maintains the FIFRA/TSCA Tracking System (FTTS), which is a listing of administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA, and the Emergency Planning and Community Right-to-Know Act (EPCRA). A review of the FTTS database, as provided by EDR, revealed that the Subject Property is not a listed site.

#### 4.3.7.19 FTTS Inspections and Enforcements (FTTS INSP)

The USEPA maintains the FTTS Inspections and Enforcements (FTTS INSP) database, which is a listing of facilities with FTTS-related inspections and enforcement actions. A review of the FTTS INSP database, as provided by EDR, revealed that the Subject Property is not a listed site.

#### 4.3.7.20 Material Licensing Tracking System (MLTS)

The US Nuclear Regulatory Commission (US NRC) maintains the Material Licensing Tracking System (MLTS) database, which is a listing of approximately 8,100 sites which possess or use radioactive materials and are subject to NRC licensing requirements. A review of the MLTS database, as provided by EDR, revealed that the Subject Property is not a listed site.

#### 4.3.7.21 Steam-Electric Plant Operations Data (COAL ASH DOE)

The US Department of Energy (US DOE) maintains the Steam-Electric Plant Operations Data (COAL ASH DOE) database, which is a listing of power plants that store coal ash in surface impoundments. A review of the COAL ASH DOE database, as provided by EDR, revealed that the Subject Property is not a listed site.

#### 4.3.7.22 Coal Combustion Residues Surface Impoundments List (COAL ASH EPA)

The USEPA maintains the Coal Combustion Residues Surface Impoundments List (COAL ASH EPA) which is a listing of coal combustion surface impoundments with high hazard potential ratings. A review of the COAL ASH EPA database, as provided by EDR, revealed that no listed sites are located within a 0.5-mile search radius of the Subject Property.

#### 4.3.7.23 PCB Transformer Registration Database (PCB TRANSFORMER)

The USEPA maintains the PCB Transformer Registration Database (PCB TRANSFORMER) which is a listing of all PCB transformer registration submittals. A review of the PCB TRANSFORMER database, as provided by EDR, revealed that the Subject Property is not a listed site.

#### 4.3.7.24 Radiation Information Database (RADINFO)

The USEPA maintains the Radiation Information Database (RADINFO), which is a listing of facilities that are regulated by the USEPA for radiation and radioactivity. A review of the RADINFO database, as provided by EDR, revealed that the Subject Property is not a listed site.

#### 4.3.7.25 Incident and Accident Data (DOT OPS)

The US DOT Office of Pipeline Safety maintains the Incident and Accident Data (DOT OPS) database. A review of the DOT OPS database, as provided by EDR, revealed that the Subject Property is not a listed site.

#### 4.3.7.26 Superfund Consent Decrees (CONSENT)

The USEPA maintains the Superfund Consent Decree (CONSENT) database, which is a listing of consent degrees for cleanup of NPL sites. A review of the CONSENT database, as provided by EDR, revealed that no listed sites are located within a 1.0-mile search radius of the Subject Property.

#### 4.3.7.27 Biennial Reporting System (BRS)

The USEPA maintains the Biennial Reporting System (BRS) database, which is a listing of RCRA LQGs and TSD Facilities. A review of the BRS, as provided by EDR, revealed that the Subject Property is not a listed site.

#### 4.3.7.28 Indian Reservations (INDIAN RESERV)

The USGS maintains the Indian Reservations (INDIAN RESERV) database, which is a listing of Indian administered lands in the United States that have an area equal or greater than 640 acres. A review of the INDIAN RESERV database, as provided by EDR, revealed that the Subject Property is not a listed site.

#### 4.3.7.29 Former Utilized Sites Remedial Action Program (FUSRAP)

The US DOE maintains the Former Utilized Sites Remedial Action Program (FUSRAP) database, which is a listing of contaminated US DOE legacy sites. A review of the FUSRAP database, as provided by EDR, revealed that no listed sites are located within a 1.0-mile search radius of the Subject Property.

#### 4.3.7.30 Uranium Mill Tailings Remedial Action Sites (UMTRA)

The US DOE maintains the Uranium Mill Tailing Remedial Action Sites (UMTRA) database, which is a listing of sites contaminated by mill tailings following the extraction of uranium. A review of the UMTRA database, as provided by EDR, revealed that no listed sites are located within a 0.5-mile search radius of the Subject Property.

#### 4.3.7.31 Lead Smelter Sites (LEAD SMELTER 1)

The USEPA maintains the Lead Smelter Sites (LEAD SMELTER 1) database, which is a listing of former lead smelter sites. A review of the LEAD SMELTER 1 database, as provided by EDR, revealed that no listed smelters are located within a 1.0-mile search radius of the Subject Property.

#### 4.3.7.32 Lead Smelter Sites (LEAD SMELTER 2)

The American Journal of Public Health published a listing (LEAD SMELTER 2) of sites where secondary lead smelting was performed between 1931 and 1964. A review of the LEAD SMELTER 1 database, as provided by EDR, revealed that no listed smelters are located within a 1.0-mile search radius of the Subject Property.

#### 4.3.7.33 Aerometric Information Retrieval System Facility Subsystem (US AIRS-AFS)

The USEPA maintains the Aerometric Information Retrieval System Facility Subsystem database (AFS) which is a subset of the Aerometric Information Retrieval System (AIRS). The AFS database contains listings of facilities which are stationary sources of air pollution such as electric power plants,

steel mills, and factories. A review of the US AIRS-AFS database, as provided by EDR, revealed that the Subject Property is not a listed site.

#### 4.3.7.34 Mines Master Index File (MINES)

The US Department of Labor (USDOL) Mine Safety and Health Administration maintains the Mines Master Index File (MINES) database, which is a listing of all mines active or opened since 1971. The database also includes information regarding violations. A review of the MINES database, as provided by EDR, revealed that no listed mines are located within a 0.25-mile search radius of the Subject Property.

#### 4.3.7.35 Ferrous and Nonferrous Metal Mines Database (US MINES 2)

The US Department of Labor (USDOL) Mine Safety and Health Administration maintains the Ferrous and Nonferrous Metal Mines Database, which is a listing of ferrous and nonferrous metal mines. A Review of the US MINES 2 database, as provided by EDR, revealed that no listed mines are located within a 0.25-mile search radius of the Subject Property.

#### 4.3.7.36 Active Mines & Mineral Plants Database (US MINES 3)

The USGS maintains the Active Mines & Mineral Plats Database (US MINES 3), which is a listing of active mines and mineral processing plants for commodities monitored by the USGS Minerals Information Team. A Review of the US MINES 3 database, as provided by EDR, revealed that no listed mines are located within a 0.25 mile search radius of the Subject Property.

#### 4.3.7.37 Hazardous Waste Compliance Docket Listing (DOCKET HWC)

The USEPA maintains the Hazardous Waste Compliance Docket Listing (DOCKET HWC) database, which is a listing of Federal Agency Hazardous Waste Compliance Docket Facilities. A review of the DOCKET HWC database, as provided by EDR, revealed that the Subject Property is not a listed site.

#### 4.3.7.38 Unexploded Ordinance Sites (UXO)

The US DOD maintains the Unexploded Ordinance Sites (UXO) database, which is a listing of sites with unexploded ordinance. A review of the UXO database, as provided by EDR, revealed that no listed sites are located within a 1.0-mile search radius of the Subject Property.

#### 4.3.7.39 Bond Expenditure Plan (CA BOND EXP PLAN)

The California Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Act funds. This information has not been updated since 1994. A review of the CA BOND EXP PLAN database, as provided by EDR, revealed that no listed sites are located within a 1.0-mile search radius of the Subject Property.

#### 4.3.7.40 “Cortese” Hazardous Waste & Substances Site List (CA CORTESE)

The “Cortese” Hazardous Waste & Substances Site List (CA CORTESE) is a listing of sites designated by the State Water Board (LUST), the Integrated Waste Board (SWF/LS), and the DTSC (Cal-Sites). A review of the CA CORTESE database, as provided by EDR, revealed 1 listed site is located within a 0.5-mile search radius of the Subject Property. The site has undergone remediation by Chevron and prepare for development.

Table 9 – “Cortese” Hazardous Waste & Substances Site List

Dist (mi)	Elev	Global ID	Site	Site Address	Status	PCOC	SP REC
0.255 SW	Higher	L10007138953	Hilltop West Project	3260 Richmond Parkway	Open-Verification Monitoring	Crude Oil, Diesel, MTBE/TBA, Gasoline, Kerosene	N

The listed site does not represent a Recognized Environmental Condition on the Subject Property.

#### 4.3.7.41 Cleaner Facilities (CA DRYCLEANERS)

The USEPA maintains the Cleaner Facilities (CA DRYCLEANERS) database, which is a listing of drycleaner related facilities with EPA ID numbers and drycleaner related Standard Industrial Classification (SIC) codes. A review of the CA DRYCLEANERS database, as provided by EDR, revealed that no listed sites are located within a 0.25-mile search radius of the Subject Property.

#### 4.3.7.42 Emissions Inventory Data (CA EMI)

The California Air Resources Board (ARB) maintains the Emissions Inventory Data (CA EMI) database, which is a listing of air toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies. A review of the CA EMI database, as provided by EDR, revealed that the Subject Property is not a listed site.

#### 4.3.7.43 Enforcement Action Listing (CA ENF)

The State Water Board maintains the Enforcement Action Listing (ENF) database, which is a listing of enforcement actions. A review of the ENF database, as provided by EDR, revealed that that the Subject Property is not a listed Site.

#### 4.3.7.44 DTSC Financial Assurance Information Listing (FINANCIAL ASSURANCE 1)

The DTSC maintains the Financial Assurance Information Listing (FINANCIAL ASSURANCE 1) database, which is a listing of financial assurance information for solid waste facilities. A review of the FINANCIAL ASSURANCE 1 database, as provided by EDR, revealed that the Subject Property is not a listed site.

#### 4.3.7.45 CalRecycle Financial Assurance Information Listing (FINANCIAL ASSURANCE 2)

CalRecycle maintains the Financial Assurance Information Listing (FINANCIAL ASSURANCE 2) database, which is a listing of financial assurance information for solid waste facilities. A review of the FINANCIAL ASSURANCE 2 database, as provided by EDR, revealed that the Subject Property is not a listed site.

#### 4.3.7.46 Facility and Manifest Data (HAZNET-CA)

The DTSC maintains the Facility and Manifest Data (HAZNET-CA), which is a listing of data from hazardous waste manifests received by the DTSC. A review of the HAZNET-CA database, as provided by EDR, revealed the presence of two listed facilities on the Subject Property.

Table 10 - Facility and Manifest Data

Dist (mi)	Elev	ID	Facility	Facility Address	SP REC
SP	Same	S112914963	WCCUSD/Pupil Services	2465 Dolan Way	N
SP	Same	S112914963	WCCUSD/Pupil Services	2465 Dolan Way	N

None of the listings represent a Recognized Environmental Condition on the Subject Property.

#### 4.3.7.47 Hazardous Waste & Substance Site List (CA HIST CORTESE)

The sites for the list are designated by the State Water Board (LUST), CalRecycle (SWF/LS), and the DTSC (Cal-Sites). This listing is no longer updated by Cal/EPA. A review of the CA HIST CORTESE database, as provided by EDR, revealed that 3 listed sites are located within a 0.5-mile search radius of the Subject Property.

Table 11 - Hazardous Waste & Substance Site List

Dist (mi)	Elev	REG ID	Facility	Address	SP REC
0.297 NNW	Lower	07-0326	Former Exxon	16400 San Pablo Ave	N
0.363 NNE	Lower	6A189102 N63	Morgan, James & Barbara D	2452 O Hatch	N
0.412 SW	Lower	07-0692	YMCA of the East Bay	4300 Lakeside Dr.	N

None of the listed sites represent a Recognized Environmental Condition on the Subject Property.

#### 4.3.7.48 EnviroStor Permitted Facilities Listing (CA HWP)

The DTSC maintains the EnviroStor Permitted Facilities (CA HWP) database, which is a listing of permitted hazardous waste facilities and corrective actions. A review of the CA HWP database, as

provided by EDR, revealed that no listed sites are located within a 1.0-mile search radius of the Subject Property.

#### 4.3.7.49 Registered Hazardous Waste Transporter Database (CA HWT)

The DTSC maintains the Registered Hazardous Waste Transporter Database (CA HWT) database, which is a listing of registered hazardous waste transporters. A review of the CA HWT database, as provided by EDR, revealed that no listed sites are located within a 0.25-mile search radius of the Subject Property.

#### 4.3.7.50 Medical Waste Management Program Listing (CA MWMP)

The California Department of Public Health maintains the Medical Waste Management Program (CA MWMP) database, which is a listing of medical waste off-site treatment facilities and transfer stations. A review of the CA MWMP database, as provided by EDR, revealed that no listed sites are located within a 0.25-mile search radius of the Subject Property.

#### 4.3.7.51 NPDES Permits Listing (CA NPDES)

The State Water Board maintains the NPDES Permits (CA NPDES) database, which is a listing of facilities that have been issued permits to discharge wastewater under the NPDES program. A review of the CA NPDES database, as provided by EDR, revealed that the Subject Property is not a listed site.

#### 4.3.7.52 Pesticide Regulation Licenses Listing (CA PEST LIC)

The California Department of Pesticide Regulation (DPR) maintains the Pesticide Regulation Licenses (CA PEST LIC) database, which is a listing of licenses and certificates issued by the DPR to persons and businesses that apply or sell pesticides, pest control dealers and brokers, and persons who advise on agricultural pesticide applications. A review of the CA PEST LIC database, as provided by EDR, revealed that Subject Property is not a listed site.

#### 4.3.7.53 Certified Processors Database (CA PROC)

CalRecycle maintains the Certified Processors (CA PROC) database, which is a listing of certified processors that participate in the California Beverage Container Recycling Program. A review of the CA PROC database, as provided by EDR, revealed that no listed sites are located within a 0.5-mile search radius of the Subject Property.

#### 4.3.7.54 Proposition 65 Records (CA NOTIFY 65)

The State and Regional Water Boards created the Proposition 65 Records (CA NOTIFY 65) database, which was a listing of all Proposition 65 incidents reported to counties by the Water Boards. This database is no longer being updated. A review of the CA NOTIFY 65 database, as provided by EDR, revealed that no listed sites are located within a 1.0-mile search radius of the Subject Property.

#### 4.3.7.55 Underground Injection Wells (CA UIC)

The California Department of Conservation maintains the Underground Injection Wells (CA UIC) database, which is a listing of underground injection wells in the California Oil and Gas Wells database. A review of the CA UIC database, as provided by EDR, revealed that no listed wells are located within a 0.5-mile search radius of the Subject Property.

#### 4.3.7.56 Waste Discharge System (CA WDS)

The State Water Board maintains the Waste Discharge System (CA WDS) database, which is a listing of facilities which have been issued waste discharge requirements. A review of the CA WDS database, as provided by EDR, revealed that the Subject Property is not a listed site.

#### 4.3.7.57 USEPA Fuels Program Registered Listing (FUELS PROGRAM)

The USEPA maintains the Fuels Program Registered Listing (FUELS PROGRAM) database, which is a listing of facilities that are registered under the USEPA Fuels Program. A review of the FUELS PROGRAM database, as provided by EDR, revealed that no listed sites are located within a 0.25-mile search radius of the Subject Property.

#### 4.3.7.58 Abandoned Mines (ABANDONED MINES)

The US Department of the Interior (DOI) maintains the Abandoned Mines (ABANDONED MINES) database, which is a listing of land and water impacted by past mining activities. A review of the ABANDONED MINES database, as provided by EDR, revealed that the Subject Property is not a listed site.

#### 4.3.7.59 Enforcement & Compliance History Online (ECHO)

The USEPA maintains the Enforcement & Compliance History Online (ECHO) database, which is a listing of enforcement information for approximately 800,000 regulated facilities in the United States. A review of the ECHO database, as provided by EDR, revealed that the Subject Property is not a listed site.

### **4.4 EDR High Risk Historical Records**

#### 4.4.1.1 EDR Manufactured Gas Plant Database (EDR MGP)

The EDR Proprietary Manufactured Gas Plant (EDR MGP) database includes records of coal gas plants. MGPs were used in the United States from the 1800s to 1950s to produce a gas that could be distributed and used as fuel. Many of the byproducts of the gas production, such as coal tar, sludge, oils, and other compounds, are potentially hazardous to human health and the environment. These byproducts were frequently disposed of directly at the MGP site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination. A review of the EDR MGP



database, revealed that no listed sites are located within a 1.0-mile search radius of the Subject Property.

#### 4.4.1.2 EDR Historic Gas Stations Database (EDR Hist Auto)

The EDR Historic Gas Stations (EDR Hist Auto) database is a listing of historical gas stations obtained by searching and analyzing selected collections of business directories. The database listing includes gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas stations, gasoline stations, filling stations, automobile repair, auto service stations, and service stations. A review of the EDR Hist Auto database, revealed that no listed sites are located within a 0.125-mile search radius of the Subject Property.

#### 4.4.1.3 EDR Historic Dry Cleaners Database (EDR Hist Cleaner)

The EDR Historic Dry Cleaners (EDR Hist Cleaner) database is a listing of historical dry cleaners obtained by searching and analyzing collections of business directories. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. A review of the EDR Hist Cleaners database, revealed that no listed sites are located within a 0.125-mile search radius of the Subject Property.

### 4.4.2 **EDR Exclusive Recovered Government Archives**

#### 4.4.2.1 Recovered Government Archive Solid Waste Facilities List (EDR RGA LF)

The EDR Recovered Government Archive Landfill (EDR RGA LF) database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. This database was compiled from records formerly available from the California Department of Resources Recycling and Recovery. A review of the EDR RGA LF database, revealed that the Subject Property is not a listed site.

#### 4.4.2.2 Recovered Government Archive Leaking Underground Storage Tanks List (EDR RGA LUST)

The EDR Recovered Government Archive Leaking Underground Storage Tank (EDR RGA LUST) database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. This database was compiled from Records formerly available from the California Water Board. A review of the RGA LUST database, as provided by EDR, revealed that the Subject Property is not a listed site.

## **5. SITE PHYSICAL SETTING**

Millennium reviewed readily available geological and hydrogeological information to evaluate the likelihood that a release of chemicals on a nearby property could result in a Recognized Environmental Condition on the Subject Property.

### **5.1 Site Topography**

Millennium reviewed the Richmond, CA, US Geological Survey (USGS) 7.5-minute series Quadrangle Map covering the Subject Property (dated 2015). Most of the Subject Property, including all currently developed areas, is relatively level, with an elevation of approximately 127 feet above mean sea level (msl). The property is located atop a hill that has been flattened. The Subject Property has a general topographic gradient NNW. A copy of the topographic map is included in Appendix B.

### **5.2 Site Surface Hydrology**

The Subject Property and vicinity have been modified by grading and construction for the existing site improvements and the adjacent residential developments. Surface water flow is controlled by the existing grading and pavement systems. Storm water is primarily controlled by existing surface topography and storm water collection devices (grass swales, catch basins and area drains). Surface water would be expected to flow to the southwest or west, towards San Pablo Bay, based on surface topography.

### **5.3 Geologic Setting**

Per the EDR Report (Appendix B) soils in the vicinity of the Site are generally silty clay. Per information acquired from the Natural Resource Conservation Service (NRCS) State Soil Geographic Database (STATSGO) for Contra Costa County, soils at the Site are qualified as “Cut and Fill Land”. Per the EDR report, this soil does not meet the requirements for a hydric soil.

Regional geologic mapping designates this area as primarily highly deformed Mesozoic basement assemblages that are unconformably overlain by Tertiary sedimentary and volcanic rocks and unconsolidated Quaternary deposits. These basement complexes are the Great Valley Complex and the Franciscan Complex. The Great Valley Complex (GVC) includes the Coast Range Ophiolite which is composed of serpentine, gabbro, diabase, basalt and the Great Valley Sequence, composed of sandstone, conglomerate and shale. The Franciscan complex is composed of weakly to strongly metamorphosed greywacke, basalt, argillite, chert and other rocks.

### **5.4 Groundwater/Hydrogeological Setting**

The Subject Property is not located within a mapped groundwater basin, and therefore is assumed not to be underlain by a substantial groundwater aquifer. Previous environmental investigations in surrounding areas indicate that shallow groundwater is present at the project site, to a depth of around 9-29 feet bgs. This shallow groundwater would be expected to flow to the southwest or west, towards San Pablo Bay, based on surface topography.

### **5.5 Coastal Zone Management**

Per the California Coastal Commission (CCC) website, the Subject Property is not located within a Coastal Zone Management Area.

### **5.6 Wetlands**

Millennium reviewed the National Wetlands Inventory (NWI) maintained by the US Fish and Wildlife Service. The NWI indicated that there are no designated wetlands, standing water, or wetland vegetation on the Subject Property.

### **5.7 Wildfire Prevention**

Millennium reviewed the Contra Costa County Fire Hazard Severity Zones adopted by CAL FIRE on November 7, 2007. The fire map indicated that the Subject Property is located in a low fire hazard severity zone.

### **5.8 Floodplain**

Millennium reviewed the Flood Insurance Rate Map (FIRM) prepared by the Federal Emergency Management Agency (FEMA) for the City of San Rafael in the general area of the Subject Property. Per the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map, Community Panel 06013C0227F (June 16, 2009), the Subject Property is located in an area of minimal flood hazard.

### **5.9 Earthquake/Faults/Seismicity**

Per the published Earthquake Fault Zone maps prepared by the California Geological Survey, the project site is not located within an earthquake fault zone (Alquist-Priolo Special Studies Zone). The Earthquake Fault Zone maps identify impacts related to surface rupture. The closest active faults are the Hayward Fault, located approximately 1.7 miles to the west.

### **5.10 Landslides**

The Subject Property is not located within a landslide hazard zone. The site is also not located within an earthquake-induced landslide area since the site is relatively level and the flat site topography limits this potential risk.

### **5.11 Biological or Cultural Resources**

The Subject Property lies within a developed area that is part of the City of San Pablo. No site-specific survey addressing biological or cultural resources was available for review. The Subject Property was not identified in the National Register Information System database.

## 6. HISTORICAL USES OF SITE

Millennium attempted to determine the history of the Subject Property dating back to 1939 or to the first development use. The following table summarizes the historical use of the Subject Property and Adjacent Properties.

Table 12 - Historical Land Use Summary

Period	Historical Land Use		Sources
	Subject Property	Adjacent Properties	
1939 to 1963	Undeveloped	Residential/Commercial	Aerial Photographs Topographic Maps
1968 to Present	School	Residential/Commercial	Aerial Photographs Topographic Maps

### 6.1 Historical Aerial Photographs

Information regarding the history of the Subject Property was obtained by reviewing 12 historical aerial photographs from the United States Geological Survey (USGS), Google Earth and EDR. Aerial photographs were reviewed for 1939, 1946, 1950, 1958, 1963, 1968, 1974, 1982, 1993, 1998, 2005, 2009, 21012 and 2016. Copies of the aerial photographs are included in Appendix B of this report.

### 6.2 Historical Topographic Maps

Information regarding the history of the Subject Property was obtained by reviewing 21 historical topographic maps received from EDR. Copies of the historical topographic maps are included in Appendix B of this report. The maps reviewed are dated as follows:

- 1895 – San Francisco (15–minute)
- 1899 – San Francisco (15–minute)
- 1902 – Napa (30–minute)
- 1914 – Mare Island (15–minute).
- 1915 – San Francisco (15–minute)
- 1916 – Mare Island (15–minute)
- 1947 – Richmond (15–minute)
- 1949 – Richmond (7.5–minute)
- 1949 – Mare Island (7.5–minute)
- 1951 – Mare Island (7.5–minute)
- 1959 – Mare Island (7.5–minute)
- 1959 – Richmond (7.5–minute)
- 1968 – Mare Island (7.5–minute)
- 1968 – Richmond (7.5–minute)

- 1973 – Richmond (7.5-minute)
- 1980 – Mare Island (7.5-minute)
- 1980 – Richmond (7.5-minute)
- 1995 – Richmond (7.5-minute)
- 1996 – Richmond (7.5-minute)
- 2012 – Mare Island (7.5-minute)
- 2012 – Richmond (7.5-minute)

### **6.3 Historical Sanborn Fire Insurance Maps**

No Historical Sanborn Fire Insurance Maps were available for review.

### **6.4 Historical Chain of Title**

A chain of title was not provided to Millennium for review.

### **6.5 Historical City Directories**

Information regarding the history of the Subject Property was obtained by reviewing listings from nine historical City Directories. EDR Digital Archive Directories were reviewed for the years 1982, 1987, 1992, 1995, 2000, 2005, 2010, 2014. Haines Criss-Cross Directories were reviewed for the year 1975.

## **7. SITE RECONNAISSANCE**

Mr. Joe Mayes and Steffany Loeb (Millennium) conducted the initial site reconnaissance and inspection of the subject property on October 18, 2018.

### **7.1 Summary of Site Reconnaissance Observations**

Millennium met with Joe Mayes, Director of Maintenance & Operations, West Contra Costa Unified School District to conduct the walkthrough of the subject site. Mr. Mayes escorted Millennium throughout the main building, portables, and exterior. The Subject Property is developed as a school and primarily used as offices for school staff. The building is one story comprised of classrooms converted into offices, administration offices, storage rooms, bathrooms, a multi-use room and two courtyards. 10 portables are located on the north and north east side of the Subject Property. A parking lot is located directly south of the subject property. A set of 4 baseball fields (leased out to a little league) is located west of the Subject Property. The Subject property is located atop a hill, and is surrounded by residential homes.

### **7.2 Evaluation of Specific Concerns**

No evaluation of specific condition required.

#### **7.2.1 Aboveground Storage Tanks**

No ASTs were observed at the Subject Property.

#### **7.2.2 Agricultural Wells**

No agricultural wells were observed at the Subject Property.

#### **7.2.3 Air Emission Control Systems**

No air emission control systems were observed at the Subject Property.

#### **7.2.4 Asbestos**

The following building materials were observed at the Subject Property: drywall, ceiling panels, vinyl floor tile, and base cove. These materials are known as suspect materials to contain asbestos. Millennium met with Joe Mayes on site, who stated that the vinyl floors likely contained asbestos containing material. The main building on site were built in 1964. Prior to 1970's many types of building products and insulation materials contained asbestos. Prior to demolition or disturbance an asbestos based survey should be performed to comply with asbestos work practices and waste profiling.

**7.2.5 Boilers**

Boilers were observed at the Subject Property at the Boiler room across the hallway from CR-3. The presence of boilers does not represent a Recognized Environmental Condition on the Subject Property.

**7.2.6 Burning Areas**

No burning areas were observed at the Subject Property.

**7.2.7 Chemical Mixing Areas**

No chemical mixing areas were observed at the Subject Property.

**7.2.8 Chemical Storage Areas**

Chemical storage areas were observed at the Subject Property in the custodian's closet. Millennium did not observe any improper storage of chemicals. The presence of chemical storage areas does not represent a Recognized Environmental Condition on the Subject Property.

**7.2.9 Clean Rooms**

No clean rooms were observed at the Subject Property.

**7.2.10 Drainage Ditches**

No drainage ditches were observed at the Subject Property.

**7.2.11 Drums or Containers**

Drums were observed at the Subject Property. The drums were empty and were stored in the out of service girls and boys bathroom. Millennium did not observe any improper storage or labeling of drums or containers. The presence of drums does not represent a Recognized Environmental Condition at the Subject Property.

**7.2.12 Elevators**

No elevators were observed at the Subject Property.

**7.2.13 Emergency Generators**

No emergency generators were observed at the Subject Property.

**7.2.14 Engineered Fill**

The presence of engineered fill was not observed at the Subject Property.

**7.2.15 Equipment Maintenance Areas**

No equipment maintenance areas were observed at the Subject Property.

**7.2.16 Groundwater Monitoring Wells**

No groundwater monitoring wells were observed at the Subject Property.

**7.2.17 Hazardous Materials Storage**

No hazardous material storage areas were observed at the Subject Property.

**7.2.18 High Voltage Transmission Lines**

No high voltage transmission lines were observed on or near the Subject Property.

**7.2.19 Hoods and Ducting**

Hood were observed in the cafeteria kitchen above the stove. The hood does not represent a Recognized Environmental Condition at the Subject Property.

**7.2.20 Hydraulic Lifts**

No hydraulic lifts were observed at the Subject Property.

**7.2.21 Indoor Air Quality/Mold/Water Intrusion**

Multiple areas throughout the interior and exterior of the building show signs of water damage, including –vinyl floor tile and exterior doors. It is assumed that water intrusion is occurring through window/flooring seals, and doorways. However, despite the obvious signs of water intrusion, no microbial growth was observed and there were no building materials observed to be waterlogged.

**7.2.22 Incinerators**

No incinerators were observed at the Subject Property.

**7.2.23 Lead Based Paint**

The building contains various painted finishes. The main buildings on site was built in 1964. Prior to 1978 many buildings were painted using lead-based paint. Prior to demolition or disturbance a lead based survey should be performed to comply with lead work practices and waste profiling.

**7.2.24 Malodorous Conditions**

No malodorous conditions were noted on the Subject Property.



**7.2.25 Petroleum Pipelines**

No aboveground petroleum pipelines were observed at the Subject Property. No markings or compression stations indicating the presence of underground petroleum pipelines were observed at the Subject Property.

**7.2.26 Petroleum Wells**

No petroleum wells were observed at the Subject Property.

**7.2.27 Pits, Ponds or Lagoons**

No pits, ponds, or lagoons were observed at the Subject Property.

**7.2.28 Polychlorinated Biphenyl (PCB) Containing Equipment**

No known PCB containing equipment was readily observed (via labeling) on the Subject Property. However, observed light fixtures and exterior electrical units/transformers onsite may contain hidden PCB ballasts and suspect liquids. Those items should be re-inspected for handling and disposal upon renovation or demolition.

**7.2.29 Radon**

The Subject Property is located within an EPA Radon Zone 2 area. No radon sampling results were available for the Subject Property. Based upon location in EPA Radon Zone 2, radon is not expected to represent a REC at the Subject Property.

**7.2.30 Railroad Lines**

No historical or current railroad alignments were identified at the Subject Property.

**7.2.31 Row Crops or Orchards**

No row crops or orchards were observed at the Subject Property.

**7.2.32 Septic Systems**

No on-site septic systems or cesspools were observed at the Subject Property.

**7.2.33 Solid Waste Disposal**

Solid waste dumpsters were observed at the Subject Property. The presence of solid waste dumpsters does not represent a Recognized Environmental Condition on the Subject Property.

**7.2.34 Stained Soils**

No stained soils were observed at the Subject Property.

**7.2.35 Stockpiles of Soil or Debris**

No stockpiles of soil or debris were observed at the Subject Property.

**7.2.36 Stressed Vegetation**

No stressed vegetation was observed on the Subject Property.

**7.2.37 Sumps or Clarifiers**

No sumps or clarifiers were observed at the Subject Property.

**7.2.38 Transformers**

A pad-mounted electrical unit or transformers was observed at the Subject Property (Appendix A – Plate 4). The unit, per limited observation did not have a label declaring the absence of PCBs. The system should be re-inspected prior to any renovation or demolition for proper handling and disposal. In its current state, the presence of electrical units or electrical transformers does not represent a Recognized Environmental Condition on the Subject Property.

**7.2.39 Underground Storage Tanks**

No Underground Storage Tanks (USTs) were observed at the Subject Property.

**7.2.40 Vehicle Maintenance Areas**

No vehicle maintenance areas were observed at the Subject Property.

**7.2.41 Vehicle Wash Areas**

No vehicle wash areas were observed at the Subject Property.

**7.2.42 Wastewater Neutralization Systems**

No wastewater neutralization systems were observed at the Subject Property.

**7.2.43 Water Supply Wells**

No water supply wells were located on the Subject Property.

## 8. INTERVIEWS

### 8.1 Interviews

The following persons were interviewed to obtain information regarding Recognized Environmental Conditions at the Subject Property. Pertinent information from the interview is presented in applicable sections of this report.

Table 13 - Persons Interviewed

Contact/ Affiliation	Date of Communication	Years Associated with Subject Property	Contact Information
Mr. Joe Mayes Facilities Project Manager West Contra Costa Unified School District	10/18/2018	16 years familiarity with Subject property	(510) 812-0732 jmayes@wccusd.net

## **9. FINDINGS & STATEMENT OF OPINION**

Millennium has prepared this Phase I ESA report in general accordance with the ASTM Standard Practice to support Caliber Schools (with Pacific Charter Schools) in the evaluation of Recognized Environmental Conditions with the Subject Property. Our findings, opinions, and conclusions are summarized below.

### **9.1 Historical Site Usage**

The Subject Property has served primarily as a school since 1964.

### **9.2 Chemical Storage and Use**

No improper storage of hazardous materials was observed.

### **9.3 Agricultural Use**

It is unknown if the Subject Property was used for agricultural use prior to 1958.

### **9.4 Data Gaps**

A data gap is defined by the ASTM Standard Practice as a lack of or inability to obtain information required by this practice despite good faith efforts by the Environmental Professional to gather such information. The ASTM Standard Practice requires the Environmental Professional to comment on any significant data gaps that affect the ability to recognize Recognized Environmental Conditions. Data gaps may result from incompleteness in any of the activities required by the ASTM Standard Practice, including, but not limited to site reconnaissance (for example, an inability to conduct the site visit), and interviews (for example, an inability to interview the key site manager, regulatory officials, etc.). No significant data gaps were identified during the preparation of this Phase I ESA report.

### **9.5 Data Failures**

A data failure is defined by the ASTM Standard Practice as a failure to obtain the historical research objectives even after reviewing the standard historical sources that are reasonably ascertainable and likely to be useful. Data failure is one type of data gap. No significant data failures were identified during the presence of this Phase I ESA report.

### **9.6 Recognized Environmental Conditions**

Millennium has performed a Phase I ESA in general conformance with the scope and limitations of the ASTM Standard Practice for the Subject Property. The assessment identified no Recognized Environmental Conditions on the Subject Property:

- No Recognized Environmental Conditions at the Subject Property.
- Areas along exterior access doors and windows flush with the floor show signs of water damage, including –vinyl floor tile (and potentially vinyl asbestos tile). It is assumed that water intrusion is occurring through the doors and windows that are flush with the floor. However, despite the obvious signs of water intrusion, no microbial growth was observed and there were

no building materials observed to be waterlogged. The vinyl tiles along the exterior doors and window/floor flush have been changed from originally flooring likely due to water damage.

- Mr. Joe Mayes (West Contra Costa Unified School District Maintenance Director) stated that vinyl floor tiles are likely asbestos containing material. It should also be noted that various building materials could contain asbestos and/or lead, as the building was constructed in 1964.

## **RECOMMENDATIONS**

Millennium recommends that the following actions be completed at the Subject Property prior to the start of the demolition phase:

- Based on verbal discussion with Mr. Joe Mayes, future renovation work is planned at the Subject Property. A hazardous materials survey should be performed in order to characterize impacted building materials for the potential presence of asbestos and lead prior to commencement of renovation. The survey is required in order to comply with the asbestos National Emissions Standard for Hazardous Air Pollutants (NESHAP) (40 CFR Part 61, Subpart M) and Cal/OSHA regulations found in 8 CCR 1529. Lead work practices should be performed in compliance with 8 CCR 1532.1, with waste handling compliance in accordance with the Department of Toxic Substance Control (DTSC). It is important to note that the Subject Property was constructed in the 1960s and the presence of asbestos-containing materials and/or lead-based paint can reasonably be anticipated. In addition, the potential for water intrusion, and impacts of moisture on the Subject Property should be examined.

## 10. LIMITATIONS

This Phase I ESA report documents the condition of the Subject Property on the dates that the site reconnaissance was performed and is based on the information collected during this investigation including regulatory, environmental, and historical information (regulatory database searches, historical aerial photographs, historical topographic maps, Sanborn Fire Insurance Maps, City Directories) obtained from EDR. Information from EDR was used as reported.

The services conducted by Millennium have been rendered in a manner generally consistent with the level of skill and care ordinarily exercised by members of the environmental consulting profession currently practicing under similar conditions.

### 10.1 Reliance

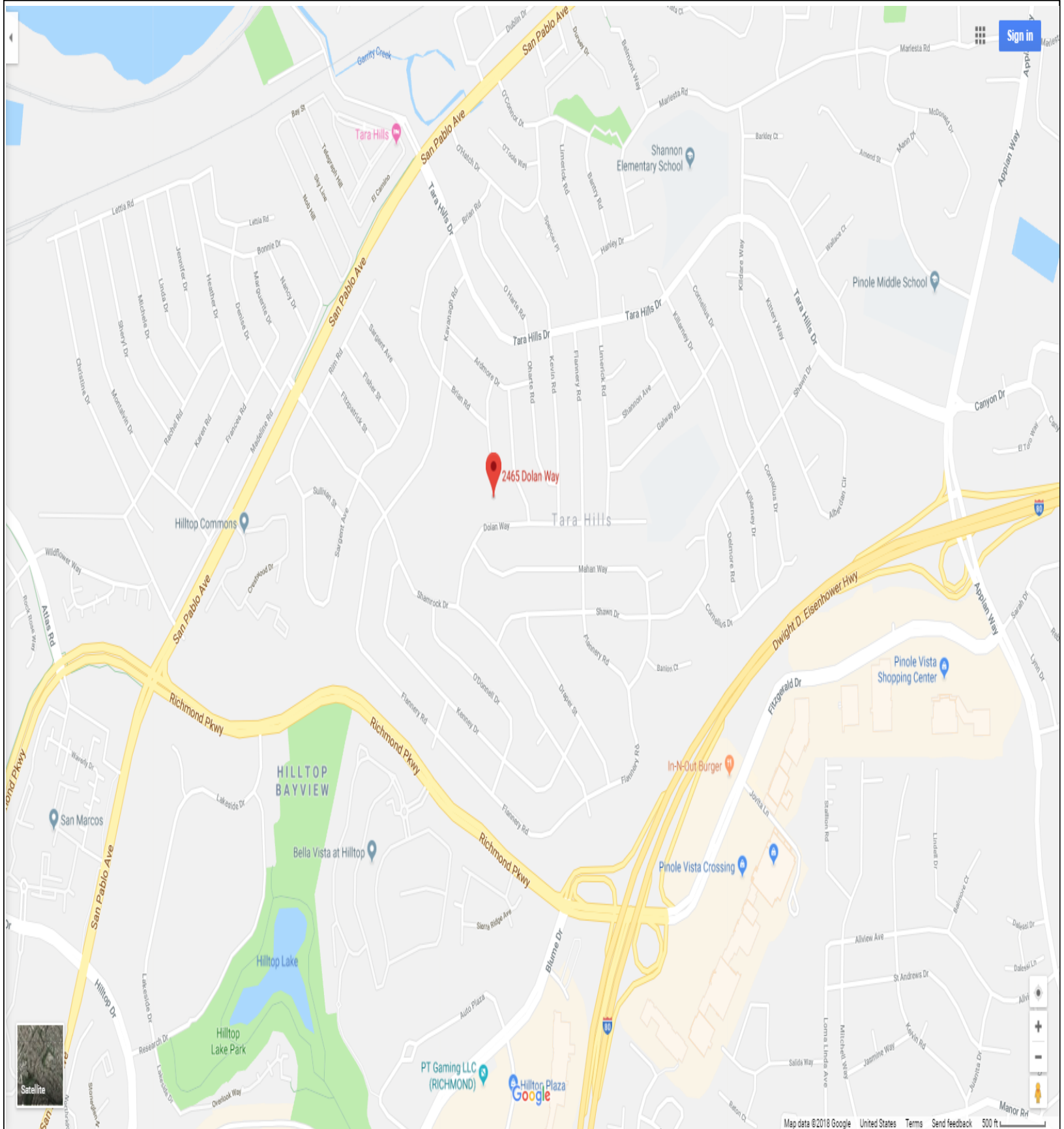
This report is prepared for the sole use and benefit of Caliber Schools (with Pacific Charter Schools) and its affiliates and/or subsidiaries (The Parties) and it is reasonable for The Parties to rely upon the extent, character, and conclusions of this report. The Parties reliance is also subject to all other limitations expressed in this report and the Agreement between Caliber Schools (with Pacific Charter Schools) and Millennium dated September 28, 2018. This report may not be copied except by Caliber Schools (with Pacific Charter Schools) without the written permission of Millennium.



Steffany Aguilar Loeb  
Project Geologist

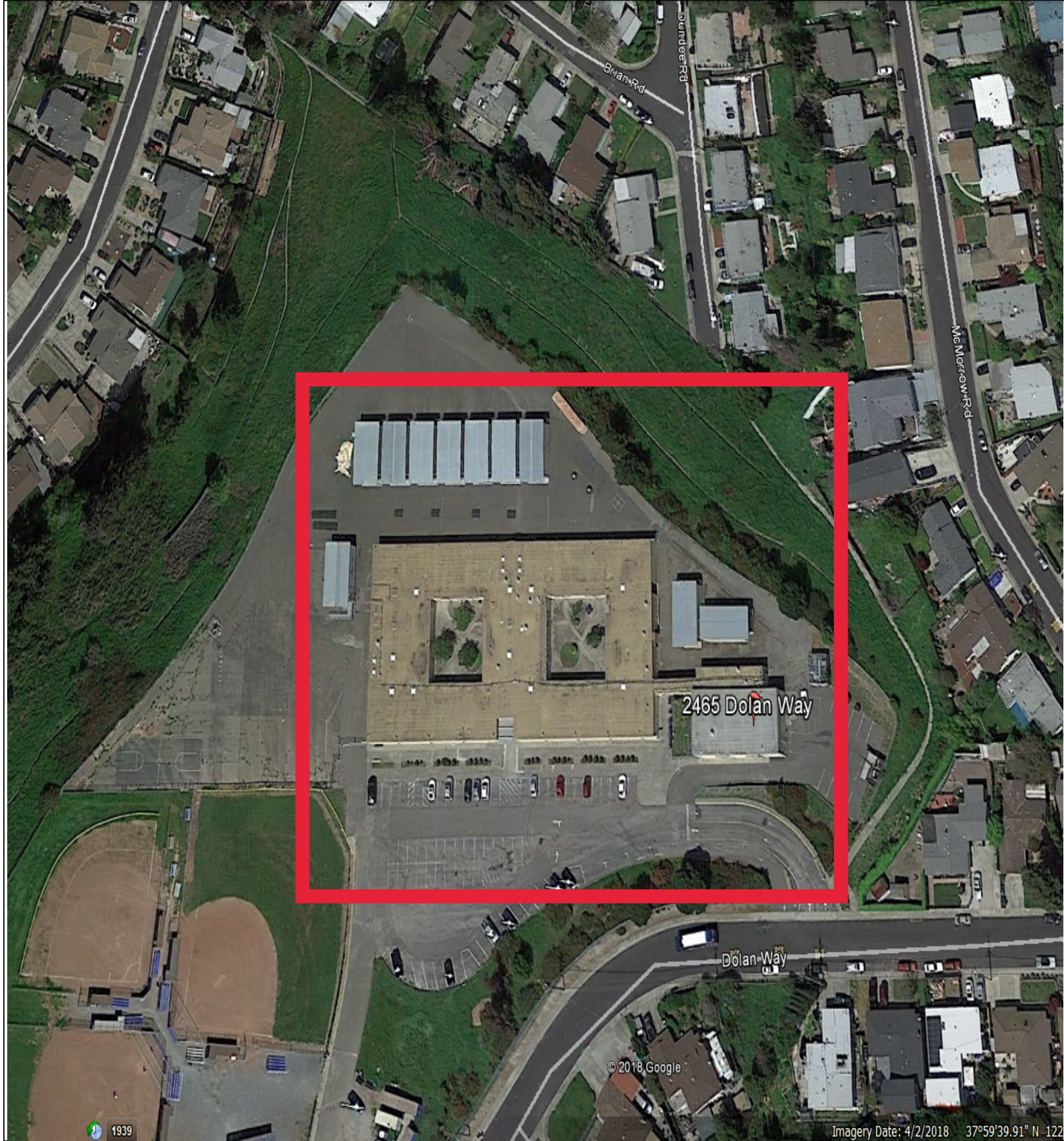


Ramil Arcia  
Director, Building Sciences



<div> <div>CALIBER SCHOOLS</div> <div>MILLENNIUM CONSULTING ASSOCIATES</div> <div>OAKLAND, CA</div> </div>			
SCALE: N.T.S.	<div>FOR</div> <div>2465 DOLAN WAY</div> <div>SAN PABLO, CA 94806</div>		
DATE: 10/31/18			
DRWN: BG	<div>TITLE</div> <div>GENERAL LOCATION MAP</div>		
CHECKED: SAL			
APPROVED:	JOB NO.	3027.2000	DWG. NO. FIGURE-1





<div> <div>1939</div> <div>© 2018 Google</div> <div>Imagery Date: 4/2/2018 37°59'39.91" N 122°</div> </div>			
<div> <div>CALIBER SCHOOLS</div> <div>MILLENNIUM CONSULTING ASSOCIATES</div> <div>OAKLAND, CA</div> </div>			
<div>SCALE: N.T.S.</div> <div>DATE: 10/31/18</div> <div>DRWN: BG</div> <div>CHECKED: SAL</div> <div>APPROVED:</div>	<div>FOR</div> <div>2465 DOLAN WAY</div> <div>SAN PABLO, CA 94806</div> <div>TITLE</div> <div>SITE PLAN</div>		
	<div>JOB NO. 3027.2000</div> <div>DWG. NO. FIG-2</div>		



APPENDIX A  
PHOTOGRAPHIC LOG



*Figure 1. Parking in front of building*



*Figure 2. Front of building*



*Figure 3. Building entrance*



*Figure 4. Parking lot*



*Figure 5. Building entrance*



*Figure 6. Entrance area*



*Figure 7. Hallway windows facing into patio*



*Figure 8. Hallway*





*Figure 9. Roof access via stairs in custodians room*



*Figure 10. Personal air conditioning unit*



*Figure 11. Classroom ceiling*



*Figure 12. Ceiling material identical throughout all rooms*



*Figure 13. Ceiling and light panels in office space*



*Figure 14. Ceiling and light panels in office space*





*Figure 15. Vent in classroom*



*Figure 16. Potential VOC emitting products in custodians room*



*Figure 17. Boiler room*



*Figure 18. Boiler room*



*Figure 19. Boiler room*



*Figure 20. Boiler room*



*Figure 21. Boiler room*



*Figure 22. Boiler room*





*Figure 23. Boiler room*



*Figure 24. Boiler room*



*Figure 25.Out of service boys restroom*



*Figure 26. Out of service boys restroom*



*Figure 27. Change of flooring by doors in rooms*



*Figure 28. Degrading door from multi-purpose room to exterior*



*Figure 29. Change of flooring near exterior door*



*Figure 30. Change of flooring near exterior door*





*Figure 31. Change of flooring near window wall contact*



*Figure 32. Storage closet*



*Figure 33. Storage closet*



*Figure 34. Window wall in rooms*



*Figure 35. Custodian's room*



*Figure 36. Custodian's room*



*Figure 37. Classroom exterior facing door*



*Figure 38. Electrical conduits in storage closet*





*Figure 39. Electrical conduits in storage closet*



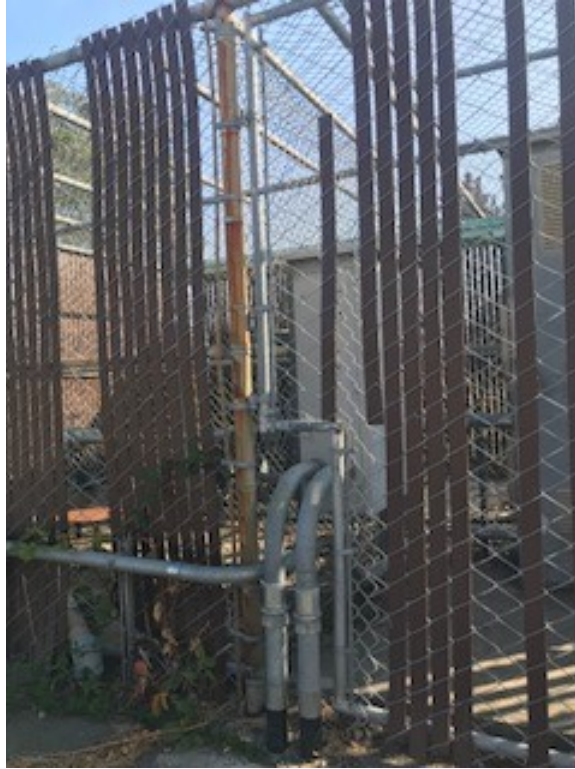
*Figure 40. Portable Air Conditioning system outlet*



*Figure 41. Electrical conduits in storage closet*



*Figure 42. Storage closet*



*Figure 43. Main power grid*



*Figure 44. Hallway doors facing exterior*



*Figure 45. Minor floor damage*



*Figure 46. Building exterior*





*Figure 47. Electrical conduits to portable*



*Figure 48. Exterior damage on portable*



*Figure 49. Paint chipping on building exterior*



*Figure 50. Classroom flooring*



*Figure 51. Former ventilation conduit*



*Figure 52. General classroom layout*



*Figure 53. General office room layout*



*Figure 54. Exit doors from office rooms to exterior*





*Figure 55. Server room*



*Figure 56. Server room*



*Figure 57. Server room*



*Figure 58. Server room*



*Figure 59. Kitchen (not in use)*



*Figure 60. Kitchen (not in use)*

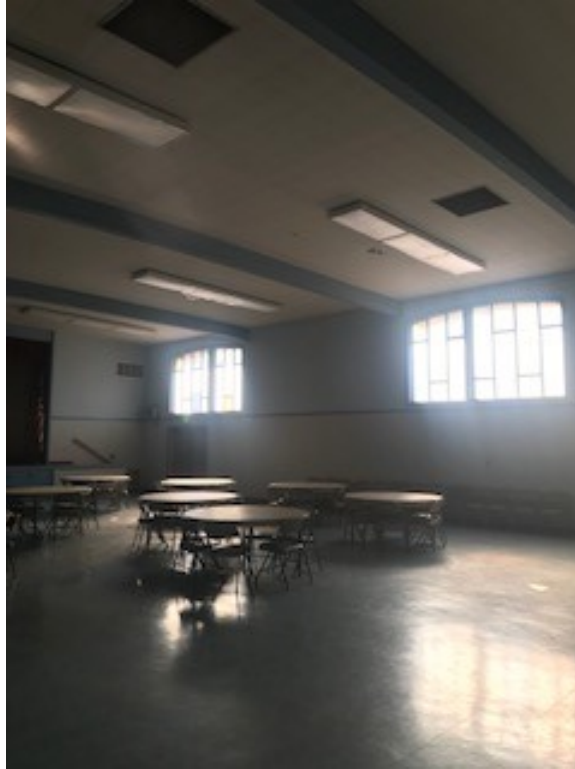


*Figure 61. General classroom layout*



*Figure 62. Minor ceiling damage*





*Figure 63. Multi-purpose room*



*Figure 64. Multi-purpose room*



*Figure 65. Blacktop adjacent to building*



*Figure 66. Vent in classroom*



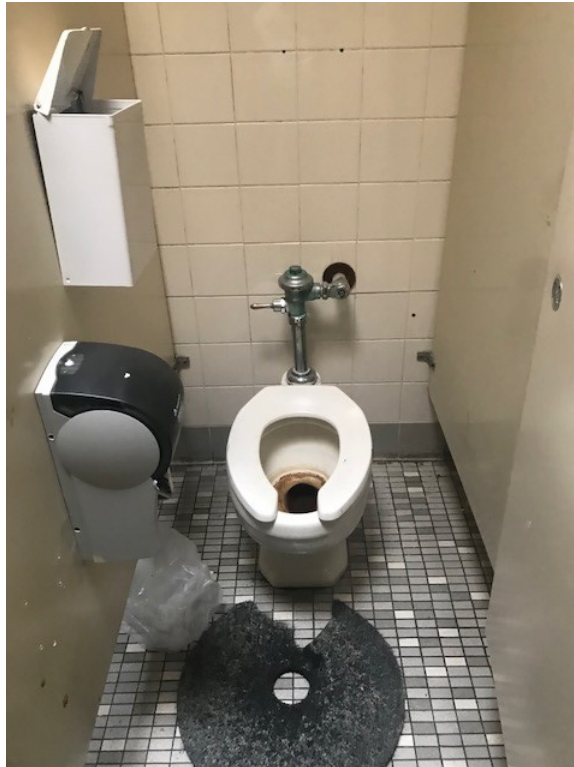
*Figure 67. Single-use restroom*



*Figure 68. Single-use restroom*



*Figure 69. Out of service boys restroom*



*Figure 70. Out of service girls restroom*



*Figure 71. Out of service girls restroom*



*Figure 72. Empty drums in restroom*





*Figure 73. Out of service boys restroom*



*Figure 74. Out of service boys restroom*



*Figure 75. Out of service boys restroom*



*Figure 76. Exterior of building*



*Figure 77. Exterior vent and rain gutter*



*Figure 78. Paint containers in custodians room*





*Figure 79. Personal heaters in rooms*



*Figure 80. Sink in classroom*



*Figure 81. Open area between portables and building*



*Figure 82. Portable ramp*



*Figure 83. Portables located on north side of Subject Property*



*Figure 84. Portable ceiling*



*Figure 85. Portable vent systems*



*Figure 86. 5 feet minimum between portables*



# APPENDIX B

## EDR REPORT



## **Former Kerry Hills ES Survey**

2465 Dolan Way

San Pablo, CA 94806

Inquiry Number: 5459240.8

October 19, 2018

# **The EDR Aerial Photo Decade Package**



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

## EDR Aerial Photo Decade Package

10/19/18

**Site Name:**

Former Kerry Hills ES Survey  
2465 Dolan Way  
San Pablo, CA 94806  
EDR Inquiry # 5459240.8

**Client Name:**

Millennium Environmental Consulting  
401 Roland Way, Suite 250  
Oakland, CA 94621  
Contact: Steffany Loeb



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.

**Search Results:**

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
1998	1"=500'	Flight Date: August 29, 1998	USDA
1993	1"=500'	Acquisition Date: July 06, 1993	USGS/DOQQ
1982	1"=500'	Flight Date: July 08, 1982	USDA
1974	1"=500'	Flight Date: April 30, 1974	USGS
1968	1"=500'	Flight Date: April 20, 1968	USGS
1963	1"=500'	Flight Date: July 18, 1963	EDR Proprietary Aerial Viewpoint
1958	1"=500'	Flight Date: July 22, 1958	USGS
1950	1"=500'	Flight Date: May 10, 1950	USDA
1946	1"=500'	Flight Date: September 06, 1946	USGS
1939	1"=500'	Flight Date: August 04, 1939	USDA

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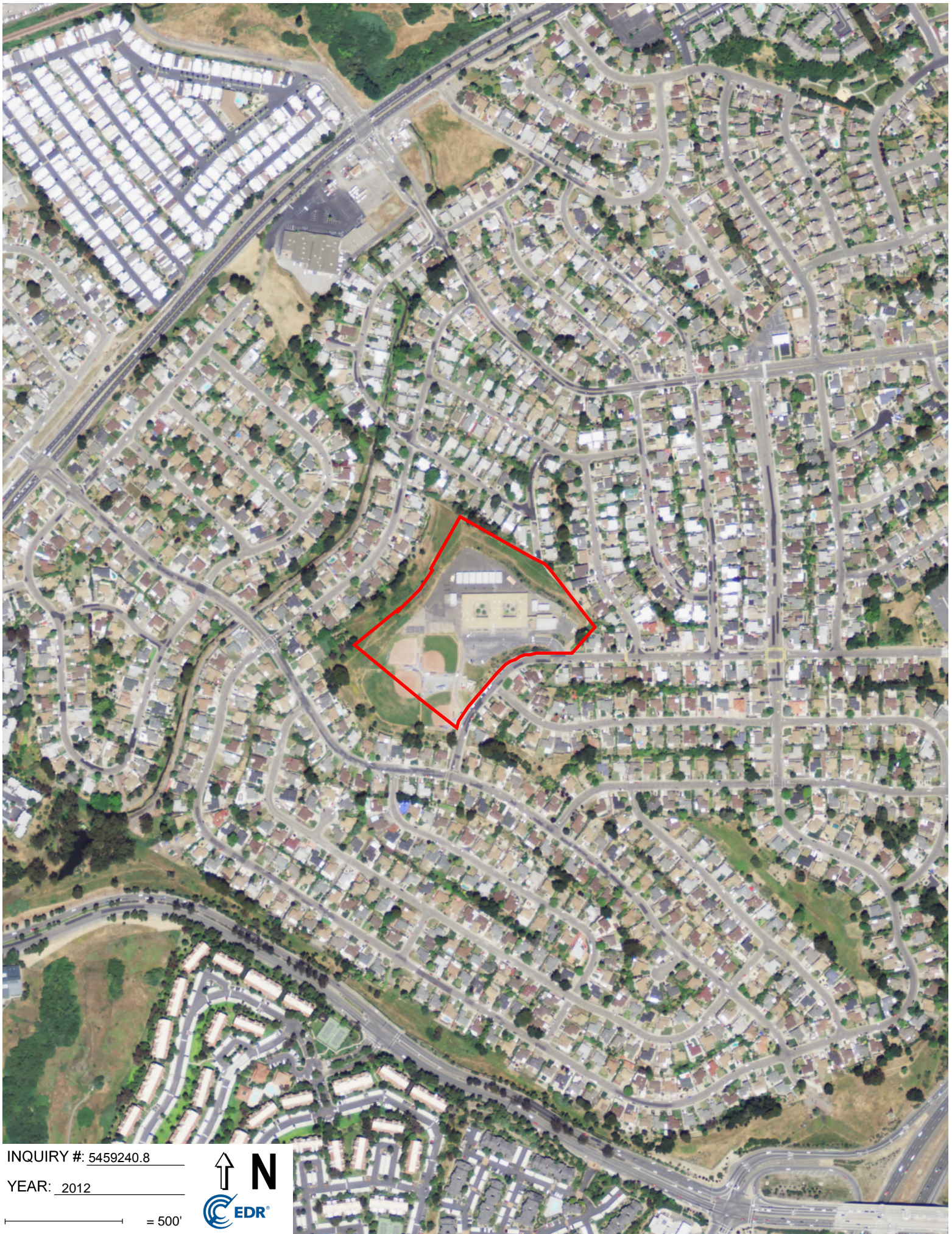
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YEAR: 2016

— = 500'







INQUIRY #: 5459240.8

YEAR: 2012

— = 500'







INQUIRY #: 5459240.8

YEAR: 2009

— = 500'







INQUIRY #: 5459240.8

YEAR: 2005

— = 500'







INQUIRY #: 5459240.8

YEAR: 1998

— = 500'







INQUIRY #: 5459240.8

YEAR: 1993

— = 500'







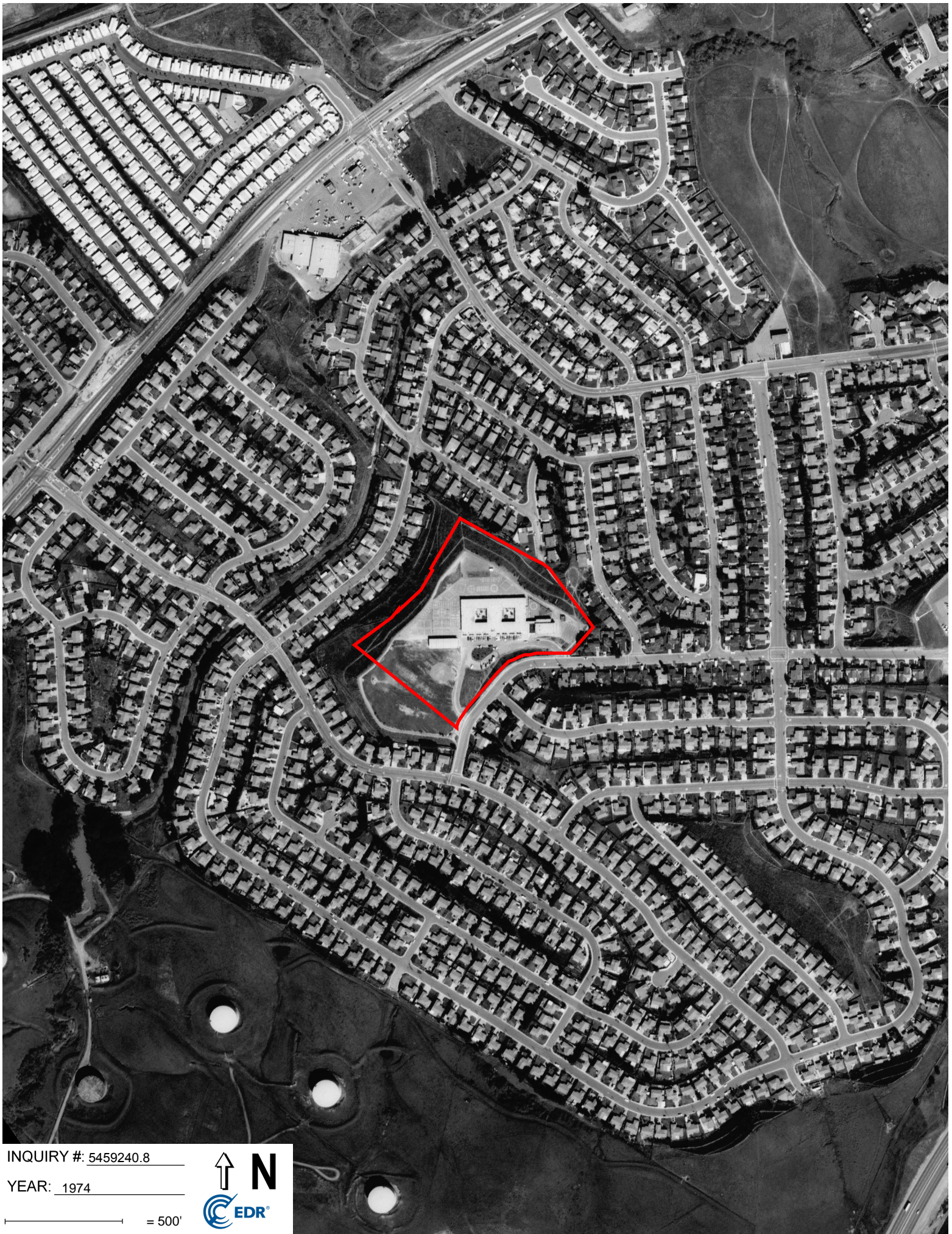
INQUIRY #: 5459240.8

YEAR: 1982

— = 500'







INQUIRY #: 5459240.8

YEAR: 1974

— = 500'







INQUIRY #: 5459240.8

YEAR: 1968

— = 500'







INQUIRY #: 5459240.8

YEAR: 1963

— = 500'







INQUIRY #: 5459240.8

YEAR: 1958

— = 500'







INQUIRY #: 5459240.8

YEAR: 1950

— = 500'







INQUIRY #: 5459240.8

YEAR: 1946

— = 500'







INQUIRY #: 5459240.8

YEAR: 1939

— = 500'



**Former Kerry Hills ES Survey**

2465 Dolan Way  
San Pablo, CA 94806

Inquiry Number: 5459240.5  
October 23, 2018

# The EDR-City Directory Image Report

## TABLE OF CONTENTS

### **SECTION**

**Executive Summary**

**Findings**

**City Directory Images**

***Thank you for your business.***

Please contact EDR at 1-800-352-0050  
with any questions or comments.

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## EXECUTIVE SUMMARY

### DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

### RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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### RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2014	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
2010	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
2005	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
2000	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
1995	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
1992	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
1987	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
1982	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
1975	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory

## FINDINGS

### TARGET PROPERTY STREET

2465 Dolan Way  
San Pablo, CA 94806

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
-------------	-----------------	---------------

### DOLAN WAY

2014	pg A1	EDR Digital Archive
2010	pg A2	EDR Digital Archive
2005	pg A3	EDR Digital Archive
2000	pg A4	EDR Digital Archive
1995	pg A5	EDR Digital Archive
1992	pg A6	EDR Digital Archive
1987	pg A7	EDR Digital Archive
1982	pg A8	EDR Digital Archive
1975	pg A10	Haines Criss-Cross Directory
1975	pg A9	Haines Criss-Cross Directory

## FINDINGS

### CROSS STREETS

No Cross Streets Identified

## **City Directory Images**

**DOLAN WAY 2014**

2401	HARDCASTLE RUSSELL
2428	WEISS, DONNA L
2429	BANDA, ARTEMIO M
2432	RODRIGUEZ, MARIA G
2436	LECHUGA, RAMON M
2440	PATRICK, WILLIAM
2444	KELLEMS, JERRALD R
2447	LOHR, APREL C
2448	GOMEZ, OSCAR M
2451	BROWN, GERALD L
2452	TONE, FIORELA
2456	CLAY, MAGEN F
2460	ROBINSON, HOMER E
2464	MELANO, TIMOTEO
2465	HARBOUR WAY ACADEMY
	WEST CONTRA COSTA UNIFIED
2468	HOWELL, SALLIE B
2472	KIM, JAMES S
2476	CHAMBERS, LANDRUM K

**DOLAN WAY 2010**

2408	SCHNELL JACK CONSTRUCTION
2428	JENKINS, CARLA
2429	SEGUNDO, LEODEGARIO
2432	ZELEDON, ESTHER
2436	ANDEWIEL, ALANA G
2440	WOLLETT, FAE L
2444	KELLEMS, JERRALD R
2447	POWELL, VELVA J
2448	GOMEZ, OSCAR M
2451	BROWN, GERALD L
2452	TUFFNELL, SCOTT M
2454	MELANO, TIMOTEO
2456	CLAY, ANN M
2460	ROBINSON, HOMER E
2464	MELANO, TIMOTHY G
2465	HARBOUR WAY ACADEMY
	W CONTRA COSTA UNIF SCHL DIST
	WEST CONTRA COSTA UNF SCH DIST
2468	MACHEN, ANGELA N
2472	MCCLURE, CHARLES L
2476	CHAMBERS, ARTINA R

**DOLAN WAY 2005**

2428	JENKINS, FLOYD
2429	BANDA, ARTEMIO M
2436	OCCUPANT UNKNOWN,
2440	WOLLETT, FAE L
2447	POWELL, WOODROW C
2448	OCCUPANT UNKNOWN,
2451	BROWN, GERALD L
2452	TUFFNELL, SCOTT M
2456	OCCUPANT UNKNOWN,
2460	ROBINSON, HOMER E
2465	FILM A LOT VIDEO PRODUCTION
	WEST CONTRA COSTA UNIFIED SCHO
2468	MACHEN, ANGELA
2476	OCCUPANT UNKNOWN,

**DOLAN WAY 2000**

2428	JENKINS, FLOYD
2429	BANDA, ARTEMIO
2432	HAZELRIGG, JOHN L
2436	LECHUGA, RAMON M
2440	WOLLETT, FAE L
2444	OCCUPANT UNKNOWN,
2447	POWELL, WOODROW
2456	CLAY, MELANIE
2460	ROBINSON, HOMER E
2464	MELANO, TIMO
2465	WEST CONTRA COSTA UNIFIED SCHO
2468	TERRILL, SALLIE B
2472	MCCLURE, CHARLES L



**DOLAN WAY 1995**

2428	JENKINS, FLOYD
2429	FLORES, ERNESTO G
2432	OCCUPANT UNKNOWNNN
2436	LECHUGA, RAMON M
2440	WOLLETT, FAE L
2444	OCCUPANT UNKNOWNNN
2447	POWELL, WOODROW
2448	SALMERONGOM, MARTHA E
2451	OCCUPANT UNKNOWNNN
2452	DAVEY, BRYAN
2456	OCCUPANT UNKNOWNNN
2460	ROBINSON, HOMER E
2464	MELONO, TIMOTEO
2465	NORTH CAMPUS CONT HIGH SCHOOL
2468	WARWICK, ROB
2472	MCCLURE, CHARLES L
2476	CHAMBERS, ARTINA

**DOLAN WAY 1992**

2447	POWELL, WOODROW
2451	MORGAN, DAVID R
2452	DAVEY, BRYAN
	INTERNATIONAL RESOURCE DEV
	WHARTON, ROGER
2465	KERRY HILLS ELEMENTARY
2472	MCCLURE, CHARLES L
2476	RENSHAW, JAMES W

**DOLAN WAY 1987**

2465 KERRY HILLS ELEMENTARY

**DOLAN WAY 1982**

2465 KERRY HILLS ELEMENTARY

## DOLAN WAY 1975

DOLAN WAY 94806 SAN PABLO

2300\*TARA HLS ELEM SCHL 758-3454

2360 LEWIS BARBARA A 223-3834

2364 BURKE JOHN P 758-4380

2368 NIELSEN HARRY 223-4642

2372 DANI ARTHUR W 758-4126

2376 BRIGHT P J 758-1521

2380 CRAIN JAS R 758-1918 3

2384 OMAR JOS 758-9247 2

2392 EVANS DON R 758-6020+5

2395 XXXX 00

2404 GROLL GEO E 758-6483 2

2408 XXXX 00

2409 PENNINGTON JEAN 758-2326

2409 PENNINGTON OLIVER 758-2326

2416 HALL CHAS 758-0947

## DOLAN WAY 1975

Target Street	Cross Street	Source
✓	-	
DOLAN WAY 1975		
..DOLAN WAY	94806 CONT..	
2421 REBISCHKE GERALD A	758-3859	
2424 XXXX	00	
2425 ROEMER RONALD	758-1502	
2429 SHELEY ROBT	758-1973	
2432 SASSE ROY M	223-1900	
2436 HANSEN PALMER V	758-0362	
2440 WOLLETT F L	758-1949	2
2444 ZIMMER DONALD	758-1924	
2447 POWELL WOODROW	758-2589	
2448 HERGUTH ETHEL V	758-2176	
HERGUTH ROBT N	758-2176	
2451 MORGAN DAVID R	758-5867	
2452 WILLIAMS JAS D	758-5142	
2456 BROWN M C	758-1769	
2460 ROBINSON HOMER E	223-4254	
2464 XXXX	00	
2468 TERRILL RICHARD D	758-4221	
2472 XXXX	00	
2476 RENSHAW JAS W	758-4472	
NO **KERRY HILLS ELM SCH	758-4771	
* 2 BUS	33 RES	1 NEW



Former Kerry Hills ES Survey

2465 Dolan Way

San Pablo, CA 94806

Inquiry Number: 5459240.4

October 19, 2018

# EDR Historical Topo Map Report

## with QuadMatch™



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

# EDR Historical Topo Map Report

10/19/18

**Site Name:**

Former Kerry Hills ES Survey  
2465 Dolan Way  
San Pablo, CA 94806  
EDR Inquiry # 5459240.4

**Client Name:**

Millennium Environmental Consulting  
401 Roland Way, Suite 250  
Oakland, CA 94621  
Contact: Steffany Loeb



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Millennium Environmental Consulting were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

**Search Results:****Coordinates:**

<b>P.O.#</b>	NA	<b>Latitude:</b>	37.993898 37° 59' 38" North
<b>Project:</b>	3127.2000 - Caliber Schools-F	<b>Longitude:</b>	-122.320799 -122° 19' 15" West
		<b>UTM Zone:</b>	Zone 10 North
		<b>UTM X Meters:</b>	559637.32
		<b>UTM Y Meters:</b>	4205355.59
		<b>Elevation:</b>	132.27' above sea level

**Maps Provided:**

2012	1949
1996	1947
1995	1916
1980	1914, 1915
1973	1902
1968	1899
1959	1895
1951	

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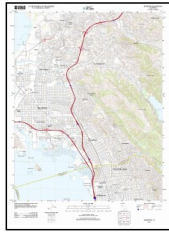
## **Topo Sheet Key**

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

### **2012 Source Sheets**

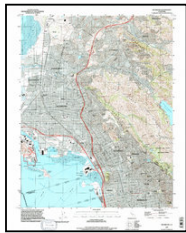


Mare Island  
2012  
7.5-minute, 24000



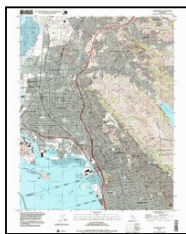
Richmond  
2012  
7.5-minute, 24000

### **1996 Source Sheets**



Richmond  
1996  
7.5-minute, 24000  
Aerial Photo Revised 1993

### **1995 Source Sheets**

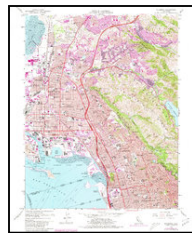


Richmond  
1995  
7.5-minute, 24000  
Aerial Photo Revised 1993

### **1980 Source Sheets**



Mare Island  
1980  
7.5-minute, 24000  
Aerial Photo Revised 1959

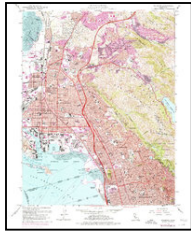


Richmond  
1980  
7.5-minute, 24000  
Aerial Photo Revised 1979

## **Topo Sheet Key**

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

### **1973 Source Sheets**

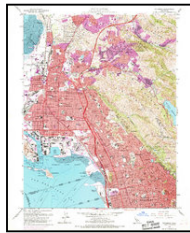


Richmond  
1973  
7.5-minute, 24000  
Aerial Photo Revised 1973

### **1968 Source Sheets**

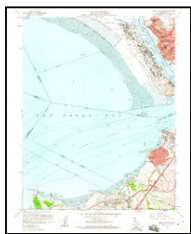


Mare Island  
1968  
7.5-minute, 24000  
Aerial Photo Revised 1968

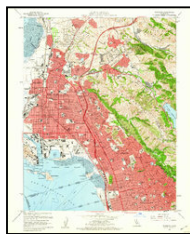


Richmond  
1968  
7.5-minute, 24000  
Aerial Photo Revised 1968

### **1959 Source Sheets**



Mare Island  
1959  
7.5-minute, 24000  
Aerial Photo Revised 1958



Richmond  
1959  
7.5-minute, 24000  
Aerial Photo Revised 1958

### **1951 Source Sheets**

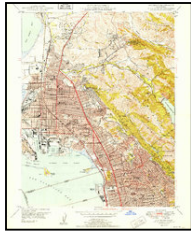


Mare Island  
1951  
7.5-minute, 24000  
Aerial Photo Revised 1948

## ***Topo Sheet Key***

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

### **1949 Source Sheets**

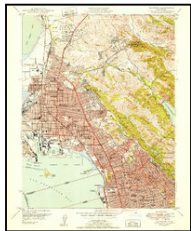


Richmond  
1949  
7.5-minute, 24000  
Aerial Photo Revised 1946



Mare Island  
1949  
7.5-minute, 24000  
Aerial Photo Revised 1948

### **1947 Source Sheets**



Richmond  
1947  
7.5-minute, 24000  
Aerial Photo Revised 1946

### **1916 Source Sheets**



Mare Island  
1916  
15-minute, 62500

### **1914, 1915 Source Sheets**



MARE ISLAND  
1914  
15-minute, 62500

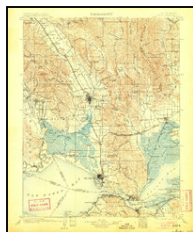


San Francisco  
1915  
15-minute, 62500

## ***Topo Sheet Key***

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

### **1902 Source Sheets**



Napa  
1902  
30-minute, 125000

### **1899 Source Sheets**



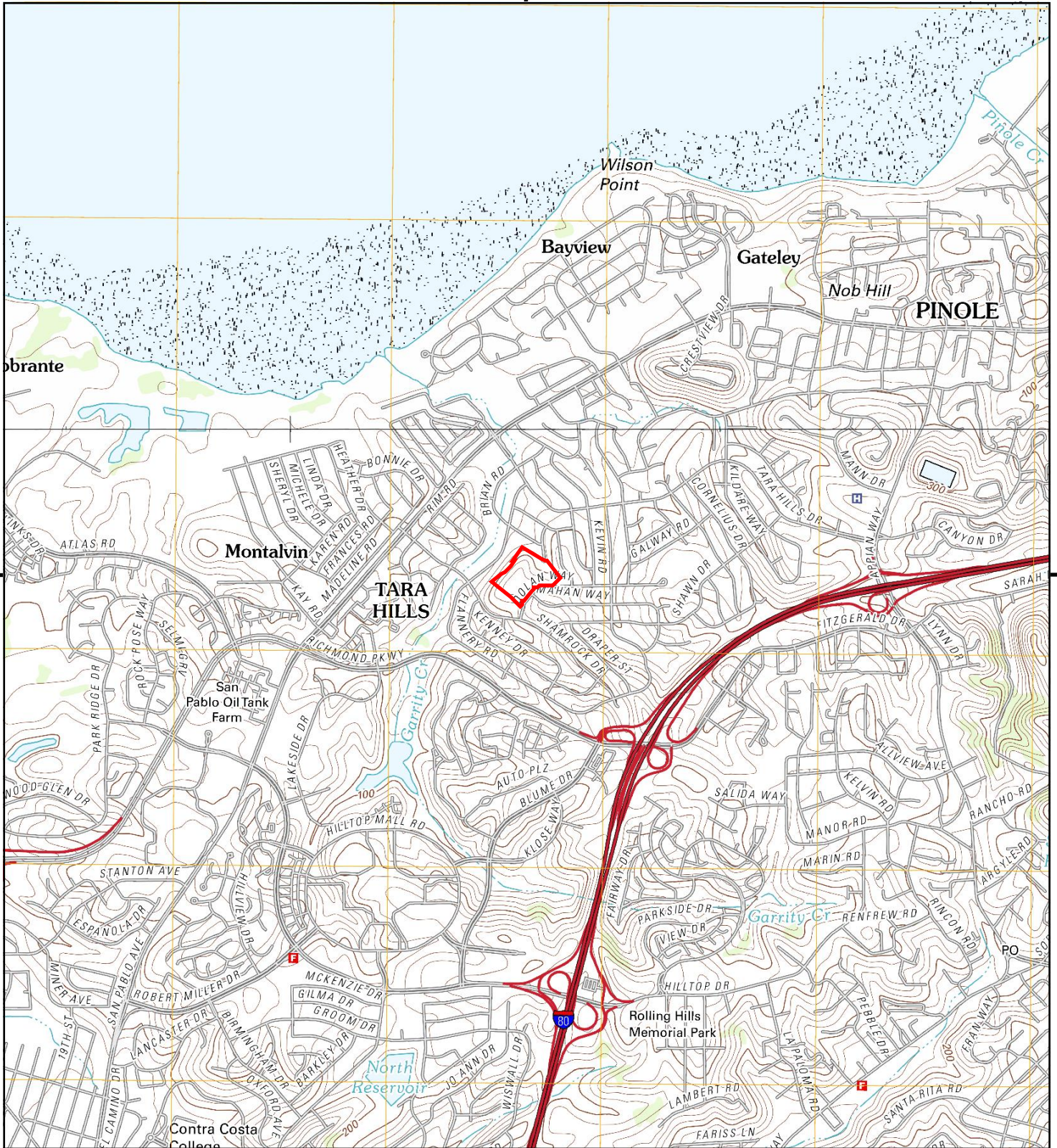
San Francisco  
1899  
15-minute, 62500

### **1895 Source Sheets**

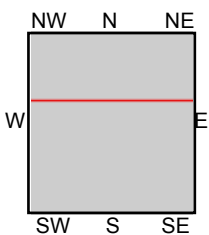


San Francisco  
1895  
15-minute, 62500





This report includes information from the following map sheet(s).

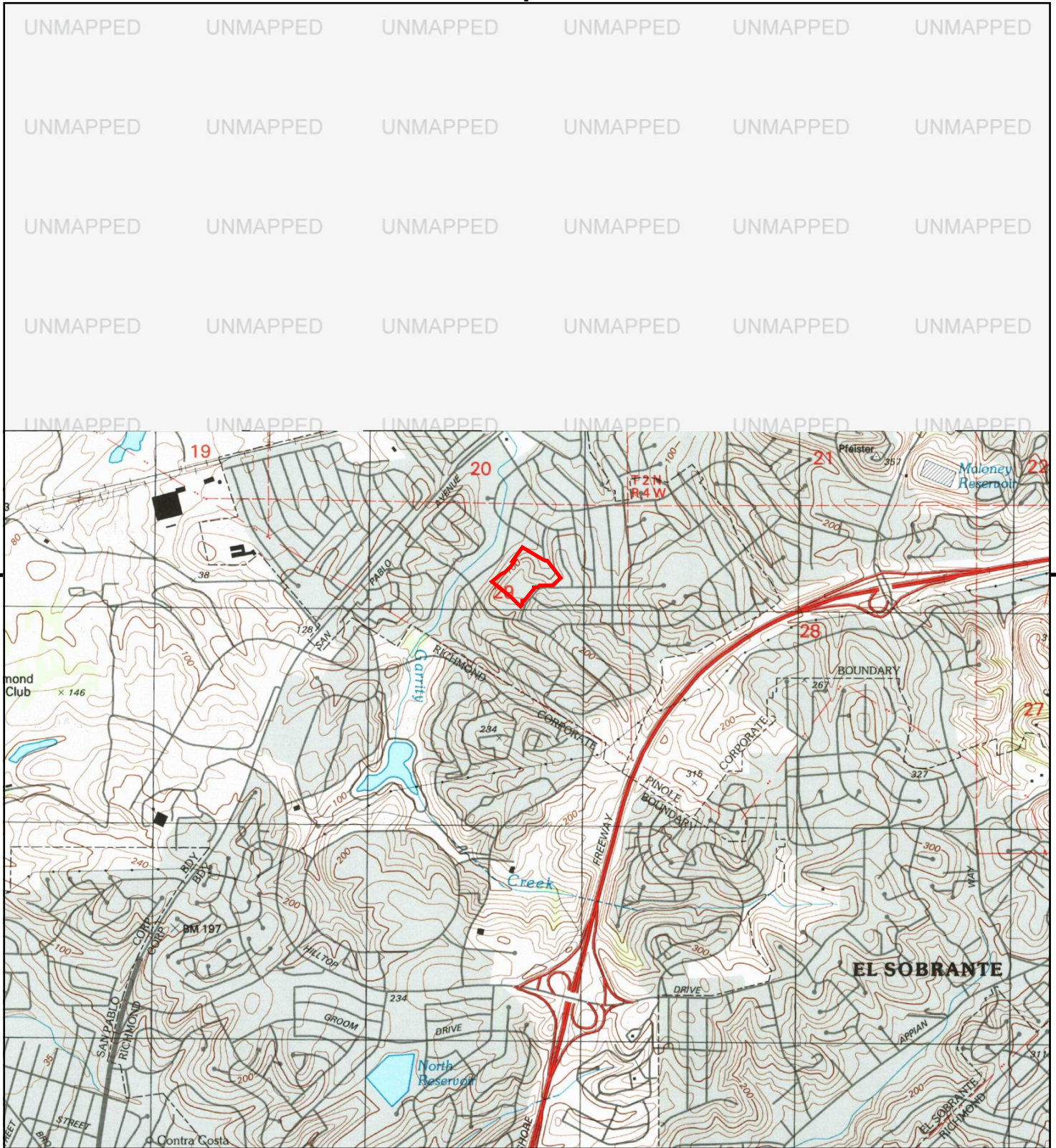


TP, Richmond, 2012, 7.5-minute  
N, Mare Island, 2012, 7.5-minute

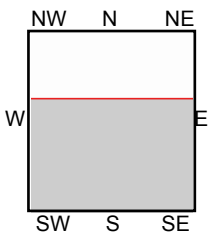
SITE NAME: Former Kerry Hills ES Survey  
ADDRESS: 2465 Dolan Way  
San Pablo, CA 94806  
CLIENT: Millennium Environmental Consulting







This report includes information from the following map sheet(s).

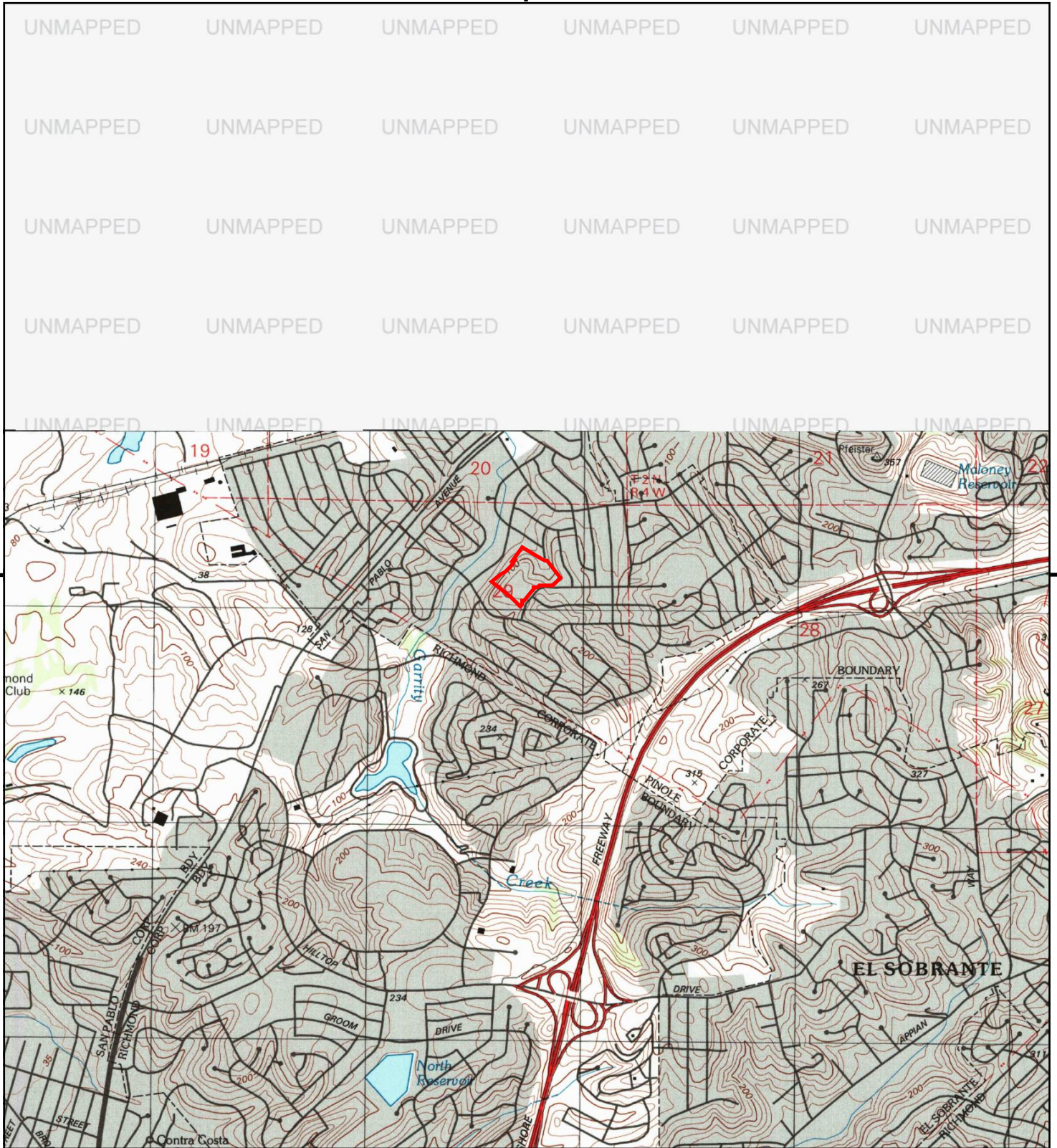


TP, Richmond, 1996, 7.5-minute

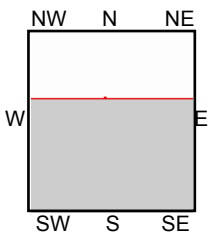
**SITE NAME:** Former Kerry Hills ES Survey  
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 San Pablo, CA 94806  
**CLIENT:** Millennium Environmental Consulting







This report includes information from the following map sheet(s).



TP, Richmond, 1995, 7.5-minute

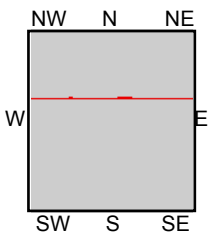
SITE NAME: Former Kerry Hills ES Survey  
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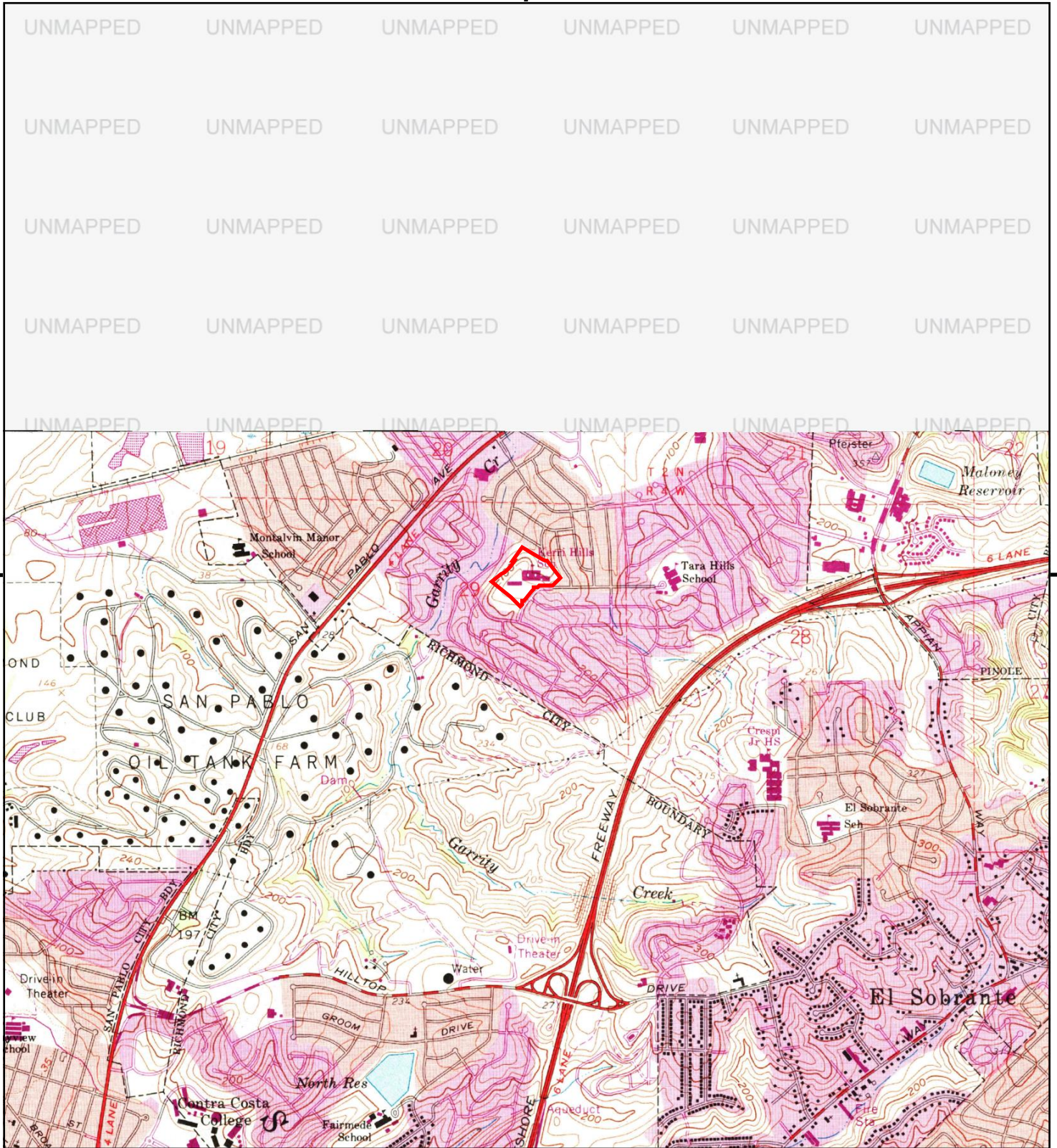


TP, Richmond, 1980, 7.5-minute  
N, Mare Island, 1980, 7.5-minute

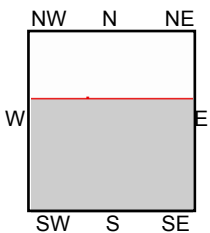
SITE NAME: Former Kerry Hills ES Survey  
ADDRESS: 2465 Dolan Way  
San Pablo, CA 94806  
CLIENT: Millennium Environmental Consulting







This report includes information from the following map sheet(s).

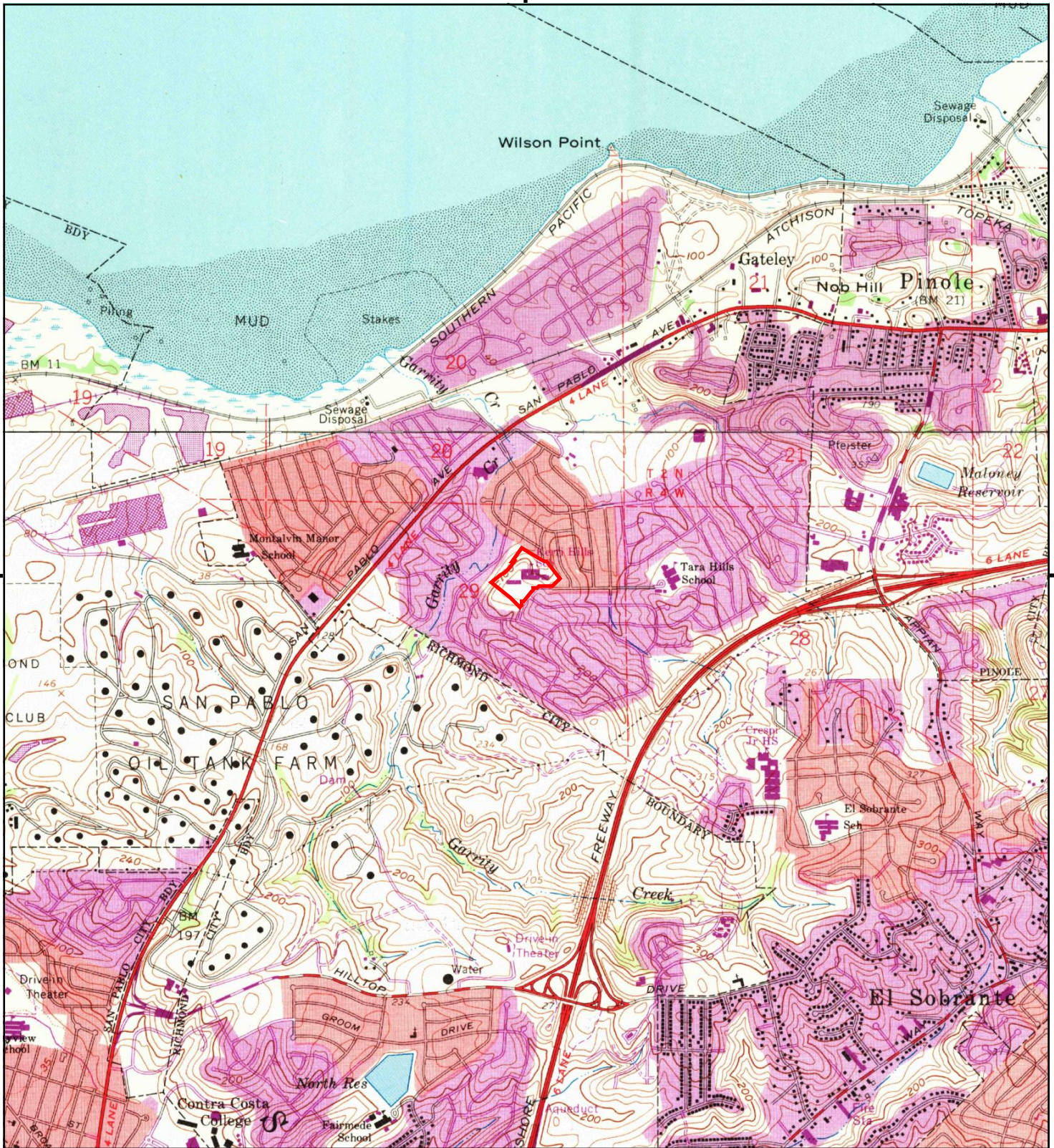


TP, Richmond, 1973, 7.5-minute

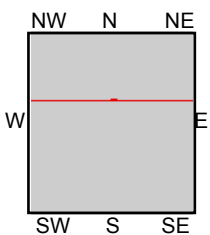
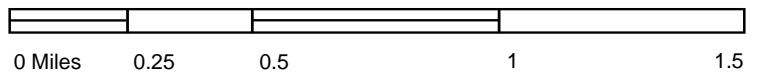
SITE NAME: Former Kerry Hills ES Survey  
 ADDRESS: 2465 Dolan Way  
 San Pablo, CA 94806  
 CLIENT: Millennium Environmental Consulting







This report includes information from the following map sheet(s).

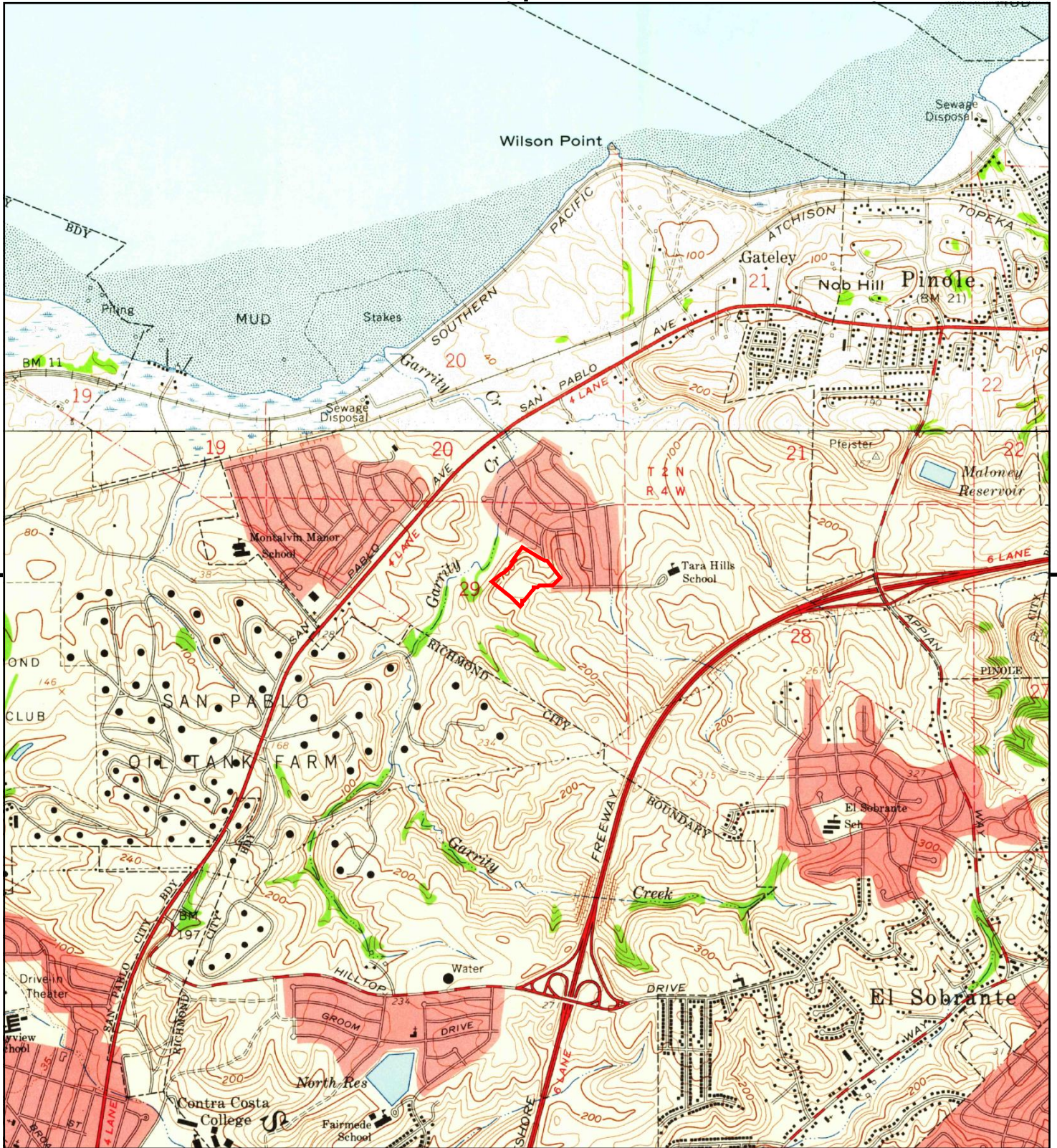


TP, Richmond, 1968, 7.5-minute  
N, Mare Island, 1968, 7.5-minute

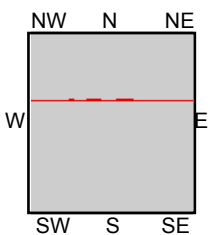
**SITE NAME:** Former Kerry Hills ES Survey  
**ADDRESS:** 2465 Dolan Way  
San Pablo, CA 94806  
**CLIENT:** Millennium Environmental Consulting







This report includes information from the following map sheet(s).

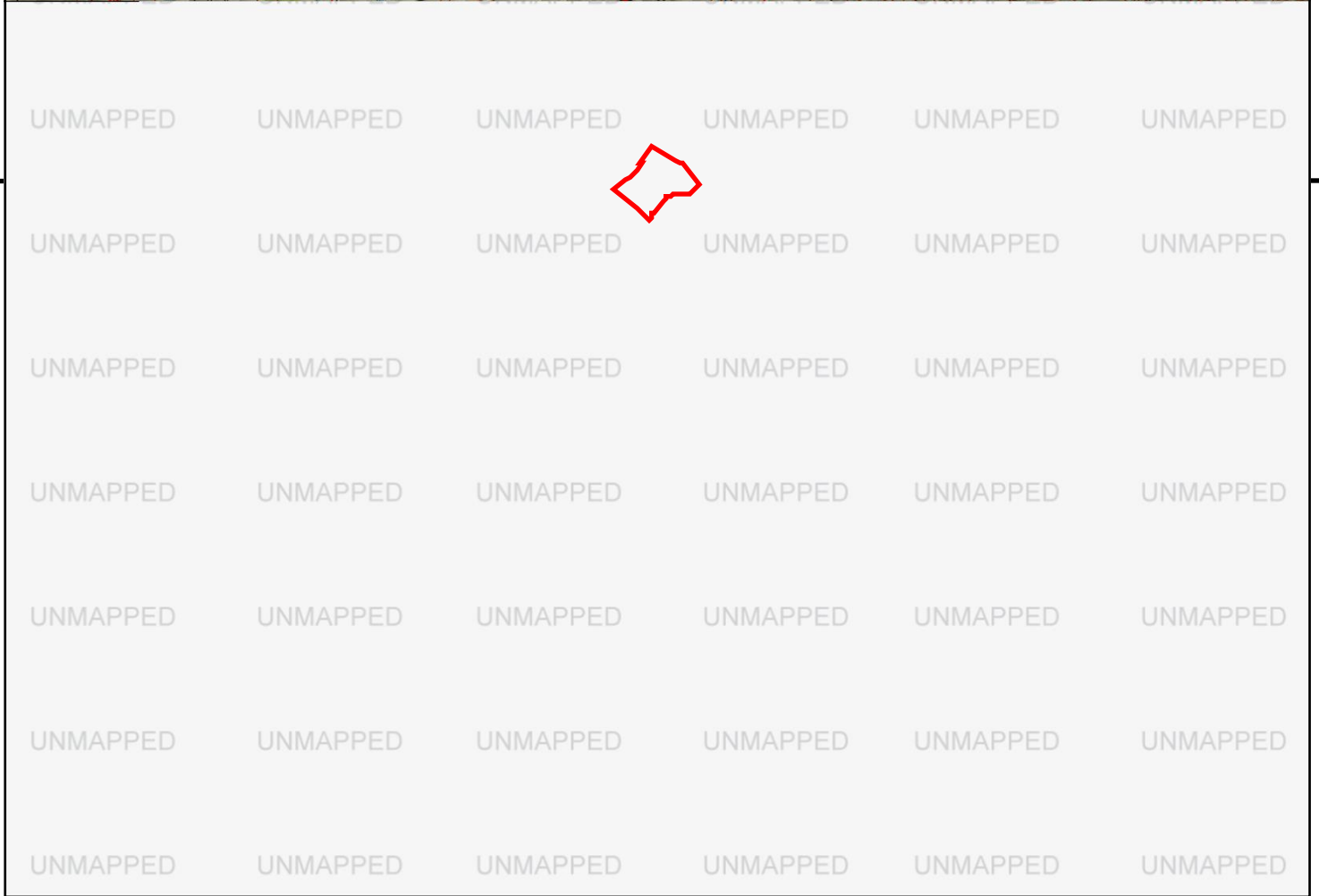
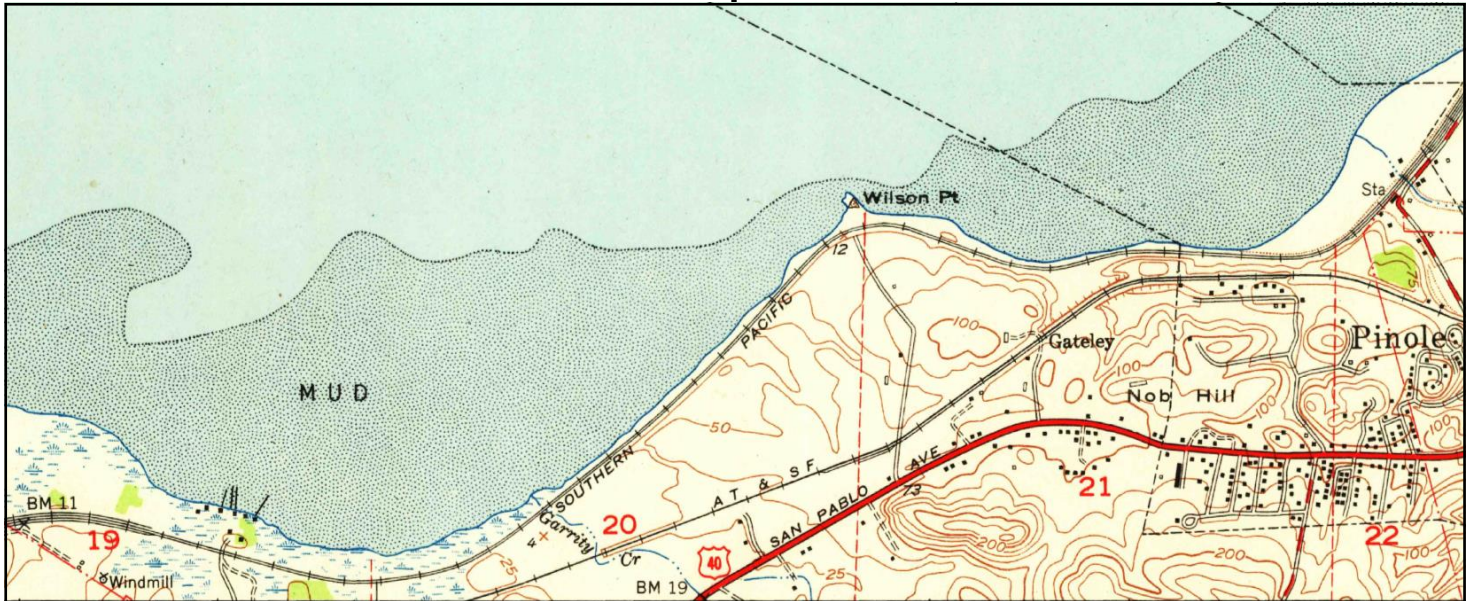


TP, Richmond, 1959, 7.5-minute  
N, Mare Island, 1959, 7.5-minute

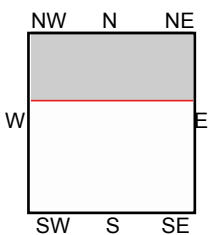
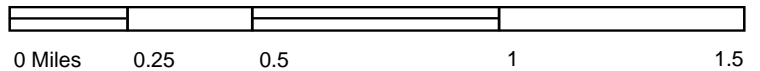
**SITE NAME:** Former Kerry Hills ES Survey  
**ADDRESS:** 2465 Dolan Way  
San Pablo, CA 94806  
**CLIENT:** Millennium Environmental Consulting







This report includes information from the following map sheet(s).

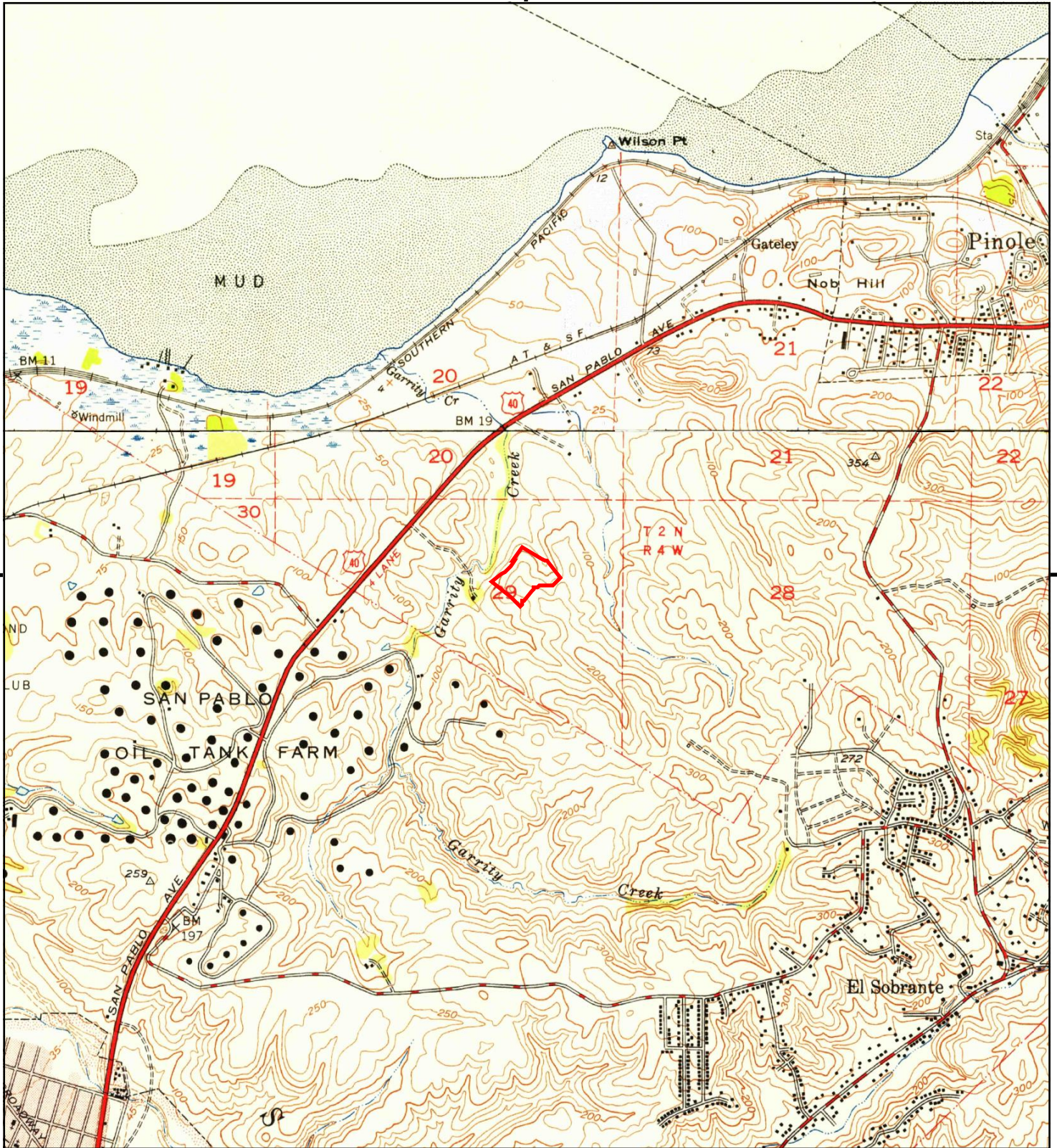


N, Mare Island, 1951, 7.5-minute

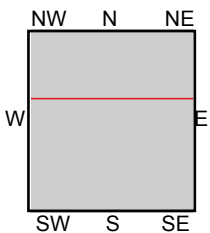
**SITE NAME:** Former Kerry Hills ES Survey  
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This report includes information from the following map sheet(s).

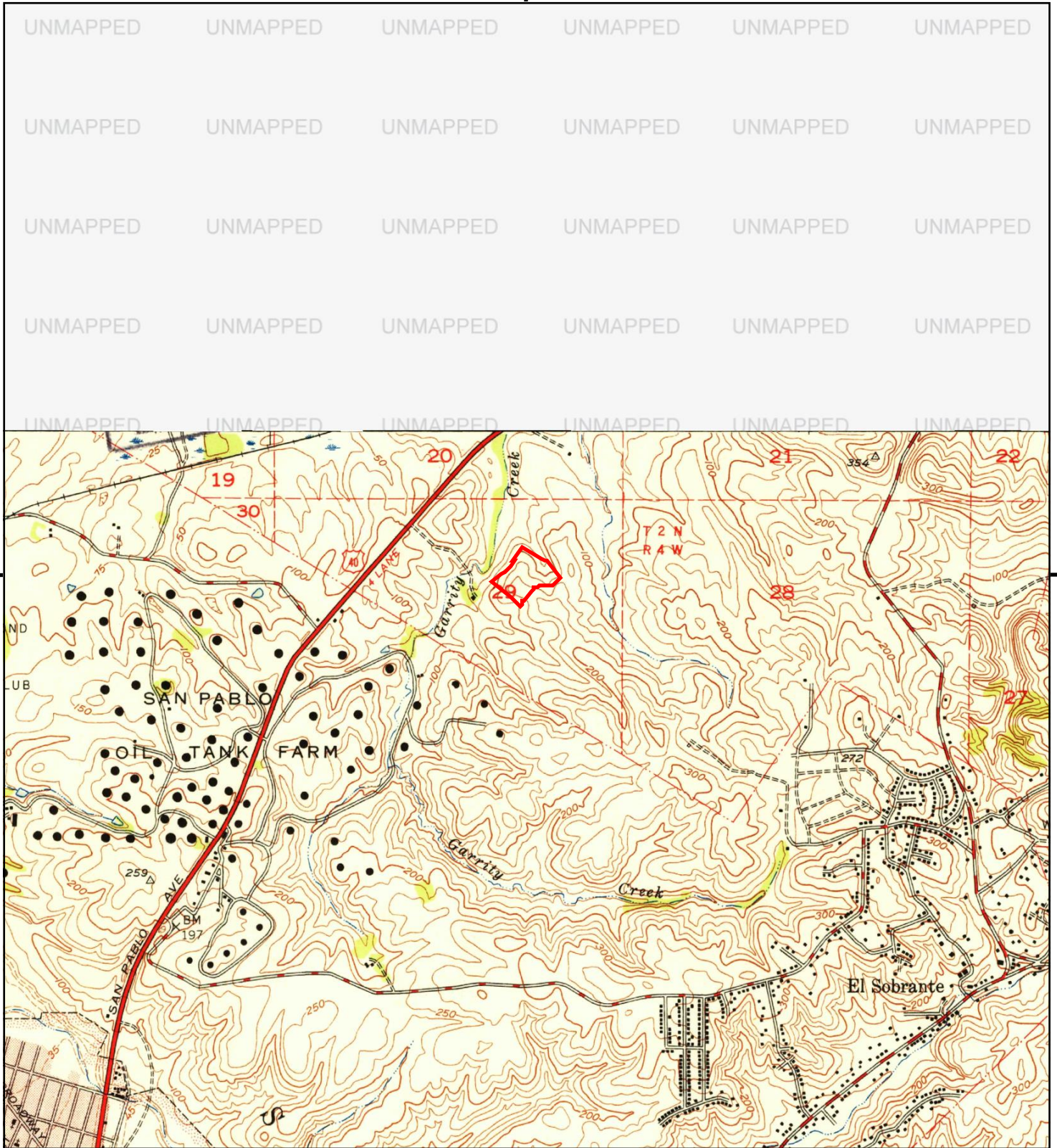


TP, Richmond, 1949, 7.5-minute  
N, Mare Island, 1949, 7.5-minute

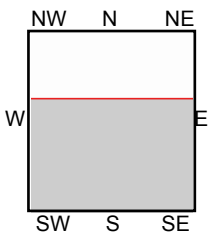
SITE NAME: Former Kerry Hills ES Survey  
ADDRESS: 2465 Dolan Way  
San Pablo, CA 94806  
CLIENT: Millennium Environmental Consulting







This report includes information from the following map sheet(s).

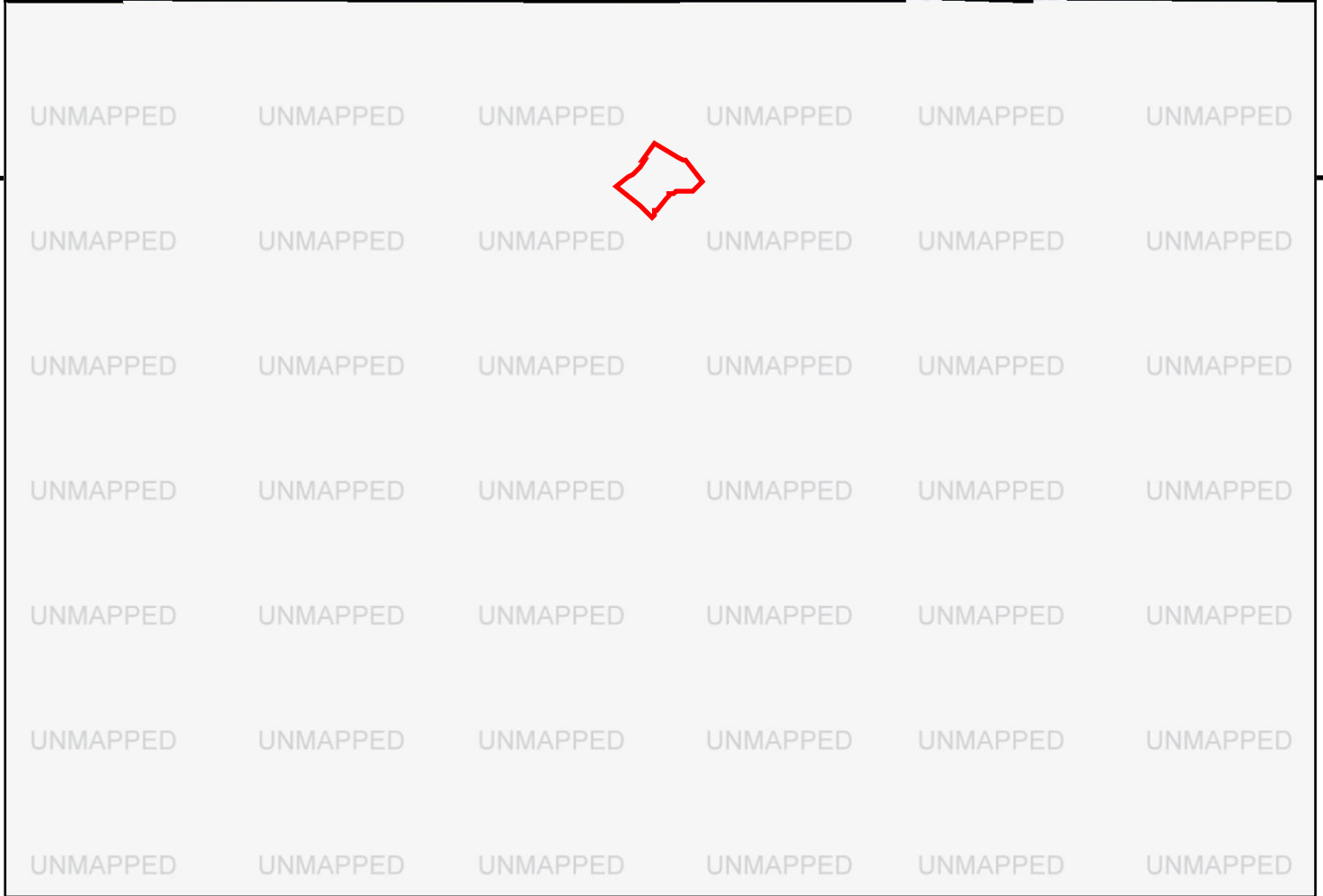


TP, Richmond, 1947, 7.5-minute

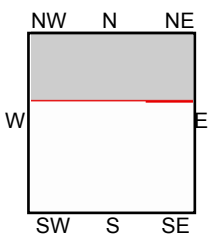
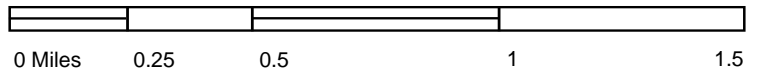
**SITE NAME:** Former Kerry Hills ES Survey  
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This report includes information from the following map sheet(s).



N, Mare Island, 1916, 15-minute

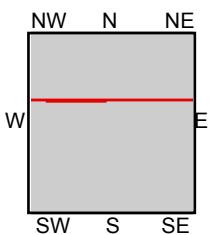
SITE NAME: Former Kerry Hills ES Survey  
 ADDRESS: 2465 Dolan Way  
 San Pablo, CA 94806  
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This report includes information from the following map sheet(s).

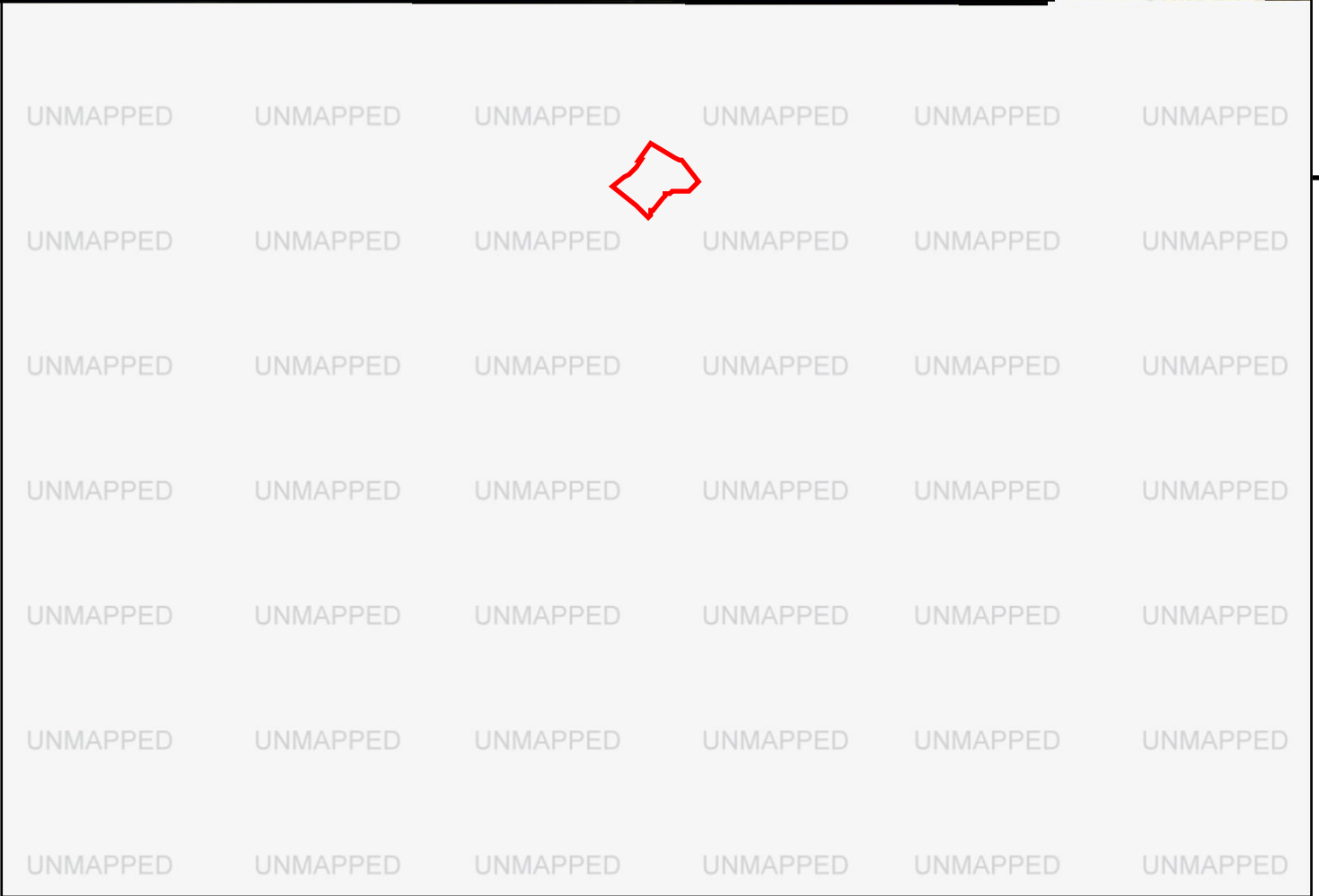
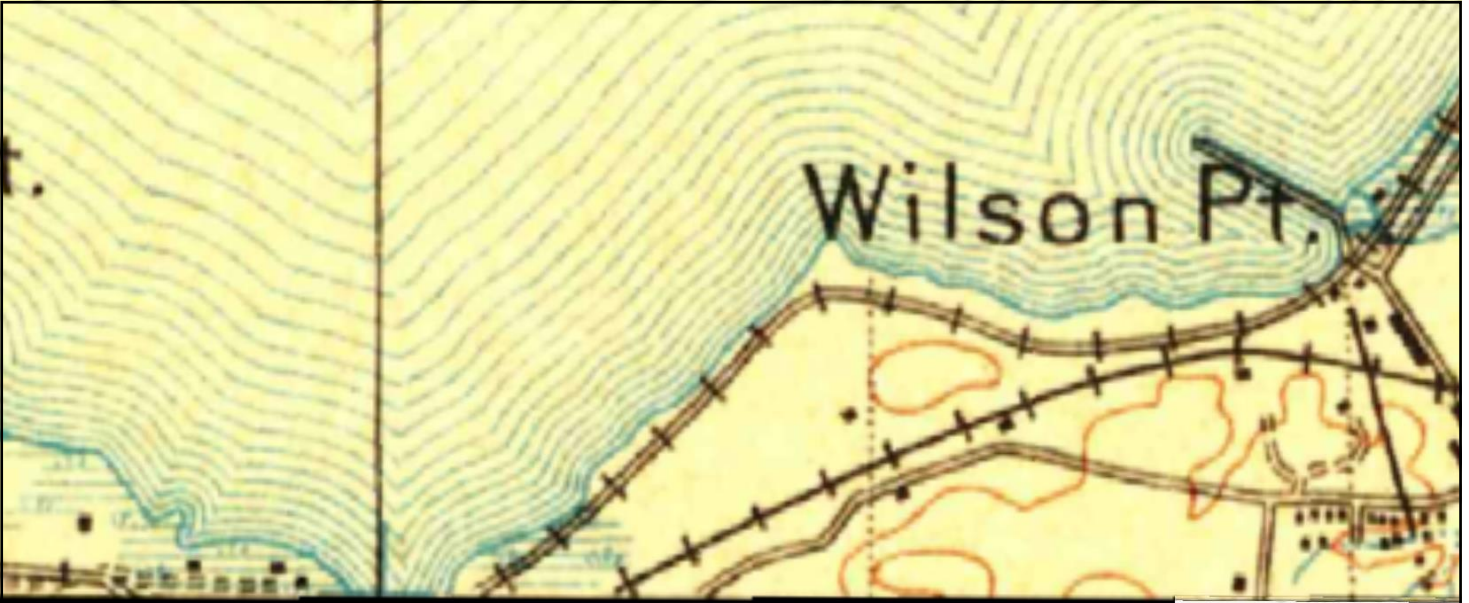


TP, San Francisco, 1915, 15-minute  
N, MARE ISLAND, 1914, 15-minute

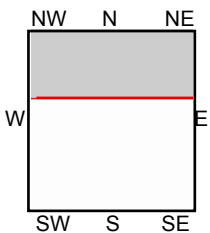
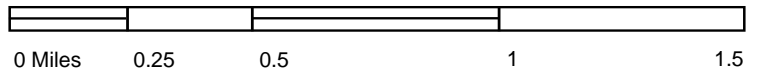
SITE NAME: Former Kerry Hills ES Survey  
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This report includes information from the following map sheet(s).



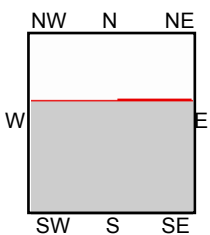
N, Napa, 1902, 30-minute

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This report includes information from the following map sheet(s).

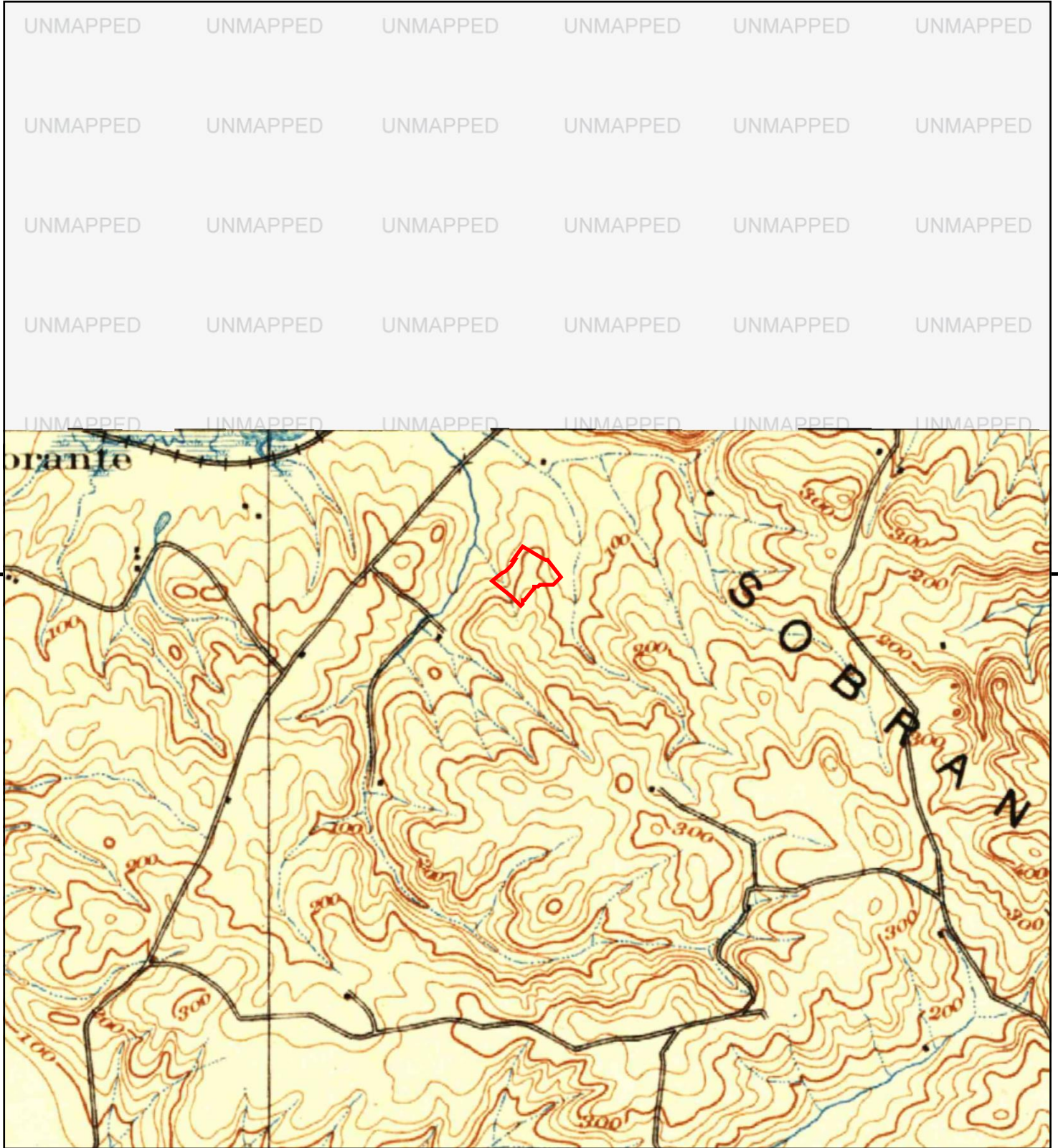


TP, San Francisco, 1899, 15-minute

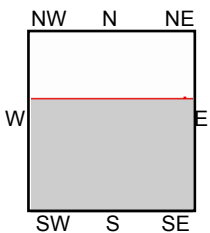
**SITE NAME:** Former Kerry Hills ES Survey  
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This report includes information from the following map sheet(s).



TP, San Francisco, 1895, 15-minute

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**ADDRESS:** 2465 Dolan Way  
 San Pablo, CA 94806  
**CLIENT:** Millennium Environmental Consulting



**Former Kerry Hills ES Survey**

2465 Dolan Way

San Pablo, CA 94806

Inquiry Number: 5459240.2s

October 19, 2018

# The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://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 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

#### ADDRESS

2465 DOLAN WAY  
SAN PABLO, CA 94806

#### COORDINATES

Latitude (North): 37.9938980 - 37° 59' 38.03"  
Longitude (West): 122.3207990 - 122° 19' 14.87"  
Universal Transverse Mercator: Zone 10  
UTM X (Meters): 559638.8  
UTM Y (Meters): 4205150.0  
Elevation: 127 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5640624 RICHMOND, CA  
Version Date: 2012  
  
North Map: 5602140 MARE ISLAND, CA  
Version Date: 2012

### AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20140608  
Source: USDA



# MAPPED SITES SUMMARY

Target Property Address:  
2465 DOLAN WAY  
SAN PABLO, CA 94806

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
<a href="#">A1</a>		2465 DOLAN WAY	CHMIRS		TP
<a href="#">A2</a>	WCCUSD/PUPIL SERVICE	2465 DOLAN WY	HAZNET		TP
<a href="#">A3</a>	WCCUSD/PUPIL SERVICE	2465 DOLAN WY	HAZNET		TP
<a href="#">A4</a>		2465 DOLAN WAY	ERNS		TP
<a href="#">B5</a>	WILL M DYE	2616 KENNEDY DR	RCRA NonGen / NLR	Lower	650, 0.123, SSW
<a href="#">B6</a>	PAKI TRUCKING	2571 KENNEY DR	RCRA NonGen / NLR, FINDS, ECHO	Lower	804, 0.152, SSW
<a href="#">7</a>	ROGERS RICK TRUCKING	2367 SHANNON AVE	RCRA NonGen / NLR, FINDS, ECHO	Lower	1230, 0.233, ENE
<a href="#">8</a>	WOODS TRUCKING CO	2652 RIM RD	RCRA NonGen / NLR, FINDS, ECHO	Higher	1257, 0.238, NW
<a href="#">9</a>	HILLTOP WEST PROJECT	3260 RICHMOND PARKWA	LDS, Cortese, ENF, CIWQS, CERS	Higher	1347, 0.255, SW
<a href="#">C10</a>	FORMER EXXON 7-0272	16400 SAN PABLO AVE	LUST, SWEEPS UST, ENF, HAZNET, HIST CORTESE,...	Lower	1568, 0.297, NNW
<a href="#">C11</a>	FORMER EXXON 7-0272	16400 SAN PABLO AVE	LUST	Lower	1568, 0.297, NNW
<a href="#">12</a>	MORGAN, JAMES & BARB	2452 O HATCH	HIST CORTESE	Lower	1918, 0.363, NNE
<a href="#">13</a>	CHEVRON LAND AND DEV	UNKNOWN GARRITY CREE	CPS-SLIC, CERS	Lower	2012, 0.381, SW
<a href="#">14</a>	YMCA OF THE EAST BAY	4300 LAKESIDE DR	ENF, HIST CORTESE, CONTRA COSTA CO. SITE LIST,...	Lower	2178, 0.412, SW
<a href="#">15</a>	CA AUTISM FOUND., A	4075 LAKESIDE DR	ENVIROSTOR	Higher	3570, 0.676, SW
<a href="#">16</a>	MONTALVIN MANOR	CHRISTINE DR.	ENVIROSTOR	Lower	3775, 0.715, West
<a href="#">17</a>	CHEVRON HILLTOP WEST	ATLAS ROAD AND SAN P	ENVIROSTOR	Lower	4025, 0.762, WSW
<a href="#">18</a>	UNITED PARCEL SERVIC	1601 ATLAS ROAD	ENVIROSTOR, AST, HAZNET, NPDES, CONTRA COSTA CO...	Lower	4250, 0.805, West
<a href="#">19</a>	APPIAN 80 EXPRESS CL	1577 TARA HILLS DR	ENVIROSTOR, VCP, DRYCLEANERS, EMI, HAZNET, CONTRA	Higher	4799, 0.909, East
<a href="#">20</a>	CA AUTISM FOUNDATION	982 MARLESTA ROAD	ENVIROSTOR	Higher	4875, 0.923, ENE

## EXECUTIVE SUMMARY

### **TARGET PROPERTY SEARCH RESULTS**

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
2465 DOLAN WAY 2465 DOLAN WAY SAN PABLO, CA	CHMIRS OES Incident Number: 07099 OES Incident Number: 08-1357	N/A
WCCUSD/PUPIL SERVICE 2465 DOLAN WY SAN PABLO, CA 94806	HAZNET GEPAID: CAC002354431	N/A
WCCUSD/PUPIL SERVICE 2465 DOLAN WY SAN PABLO, CA 94806	HAZNET GEPAID: CAC002115864	N/A
2465 DOLAN WAY 2465 DOLAN WAY SAN PABLO, CA 94805	ERNS NRC Report #: 862478	N/A

### **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  
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***

FEDERAL FACILITY..... Federal Facility Site Information listing

## EXECUTIVE SUMMARY

SEMS..... Superfund Enterprise Management System

### ***Federal CERCLIS NFRAP site list***

SEMS-ARCHIVE..... Superfund Enterprise Management System Archive

### ***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***

LUCIS..... Land Use Control Information System

US ENG CONTROLS..... Engineering Controls Sites List

US INST CONTROL..... Sites with Institutional Controls

### ***State- and tribal - equivalent NPL***

RESPONSE..... State Response Sites

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

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

### ***State and tribal leaking storage tank lists***

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

### ***State and tribal registered storage tank lists***

FEMA UST..... Underground Storage Tank Listing

UST..... Active UST Facilities

AST..... Aboveground Petroleum Storage Tank Facilities

INDIAN UST..... Underground Storage Tanks on Indian Land

### ***State and tribal voluntary cleanup sites***

VCP..... Voluntary Cleanup Program Properties

INDIAN VCP..... Voluntary Cleanup Priority Listing

### ***State and tribal Brownfields sites***

BROWNFIELDS..... Considered Brownfields Sites Listing

## **ADDITIONAL ENVIRONMENTAL RECORDS**

### ***Local Brownfield lists***

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

## EXECUTIVE SUMMARY

### ***Local Lists of Landfill / Solid Waste Disposal Sites***

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
ODI.....	Open Dump Inventory
DEBRIS REGION 9.....	Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS.....	Open Dumps on Indian Land

### ***Local Lists of Hazardous waste / Contaminated Sites***

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

### ***Local Lists of Registered Storage Tanks***

SWEEPS UST.....	SWEEPS UST Listing
HIST UST.....	Hazardous Substance Storage Container Database
CA FID UST.....	Facility Inventory Database
CERS TANKS.....	California Environmental Reporting System (CERS) Tanks

### ***Local Land Records***

LIENS.....	Environmental Liens Listing
LIENS 2.....	CERCLA Lien Information
DEED.....	Deed Restriction Listing

### ***Records of Emergency Release Reports***

HMIRS.....	Hazardous Materials Information Reporting System
LDS.....	Land Disposal Sites Listing
MCS.....	Military Cleanup Sites Listing
SPILLS 90.....	SPILLS 90 data from FirstSearch

### ***Other Ascertainable Records***

FUDS.....	Formerly Used Defense Sites
DOD.....	Department of Defense Sites
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR.....	Financial Assurance Information
EPA WATCH LIST.....	EPA WATCH LIST
2020 COR ACTION.....	2020 Corrective Action Program List
TSCA.....	Toxic Substances Control Act
TRIS.....	Toxic Chemical Release Inventory System
SSTS.....	Section 7 Tracking Systems
ROD.....	Records Of Decision
RMP.....	Risk Management Plans
RAATS.....	RCRA Administrative Action Tracking System

## EXECUTIVE SUMMARY

PRP.....	Potentially Responsible Parties
PADS.....	PCB Activity Database System
ICIS.....	Integrated Compliance Information System
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS.....	Material Licensing Tracking System
COAL ASH DOE.....	Steam-Electric Plant Operation Data
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER.....	PCB Transformer Registration Database
RADINFO.....	Radiation Information Database
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS.....	Incident and Accident Data
CONSENT.....	Superfund (CERCLA) Consent Decrees
INDIAN RESERV.....	Indian Reservations
FUSRAP.....	Formerly Utilized Sites Remedial Action Program
UMTRA.....	Uranium Mill Tailings Sites
LEAD SMELTERS.....	Lead Smelter Sites
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
US MINES.....	Mines Master Index File
ABANDONED MINES.....	Abandoned Mines
FINDS.....	Facility Index System/Facility Registry System
UXO.....	Unexploded Ordnance Sites
DOCKET HWC.....	Hazardous Waste Compliance Docket Listing
ECHO.....	Enforcement & Compliance History Information
FUELS PROGRAM.....	EPA Fuels Program Registered Listing
CA BOND EXP. PLAN.....	Bond Expenditure Plan
CUPA Listings.....	CUPA Resources List
DRYCLEANERS.....	Cleaner Facilities
EMI.....	Emissions Inventory Data
ENF.....	Enforcement Action Listing
Financial Assurance.....	Financial Assurance Information Listing
ICE.....	ICE
HWP.....	EnviroStor Permitted Facilities Listing
HWT.....	Registered Hazardous Waste Transporter Database
MINES.....	Mines Site Location Listing
MWMP.....	Medical Waste Management Program Listing
NPDES.....	NPDES Permits Listing
PEST LIC.....	Pesticide Regulation Licenses Listing
PROC.....	Certified Processors Database
Notify 65.....	Proposition 65 Records
CONTRA COSTA CO. SITE LIST.....	Site List
UIC.....	UIC Listing
WASTEWATER PITS.....	Oil Wastewater Pits Listing
WDS.....	Waste Discharge System
WIP.....	Well Investigation Program Case List
WELL STIM PROJ.....	Well Stimulation Project (GEOTRACKER)
OTHER OIL GAS.....	OTHER OIL & GAS (GEOTRACKER)
SAMPLING POINT.....	SAMPLING POINT (GEOTRACKER)
CIWQS.....	California Integrated Water Quality System
PROJECT.....	PROJECT (GEOTRACKER)
CERS.....	CERS
UIC GEO.....	UIC GEO (GEOTRACKER)
PROD WATER PONDS.....	PROD WATER PONDS (GEOTRACKER)
WDR.....	Waste Discharge Requirements Listing
MILITARY PRIV SITES.....	MILITARY PRIV SITES (GEOTRACKER)

## EXECUTIVE SUMMARY

NON-CASE INFO..... NON-CASE INFO (GEOTRACKER)

### EDR HIGH RISK HISTORICAL RECORDS

#### ***EDR Exclusive Records***

EDR MGP..... EDR Proprietary Manufactured Gas Plants  
EDR Hist Auto..... EDR Exclusive Historical Auto Stations  
EDR Hist Cleaner..... EDR Exclusive Historical Cleaners

### EDR RECOVERED GOVERNMENT ARCHIVES

#### ***Exclusive Recovered Govt. Archives***

RGA LF..... Recovered Government Archive Solid Waste Facilities List  
RGA LUST..... Recovered Government Archive Leaking Underground Storage Tank

### 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.

### STANDARD ENVIRONMENTAL RECORDS

#### ***State- and tribal - equivalent CERCLIS***

ENVIROSTOR: 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.

A review of the ENVIROSTOR list, as provided by EDR, and dated 07/30/2018 has revealed that there are 6 ENVIROSTOR sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CA AUTISM FOUND., A	4075 LAKESIDE DR	SW 1/2 - 1 (0.676 mi.)	15	78



## EXECUTIVE SUMMARY

Facility Id: 7830004  
Status: No Action Required

<b>APPIAN 80 EXPRESS CL</b>	<b>1577 TARA HILLS DR</b>	<b>E 1/2 - 1 (0.909 mi.)</b>	<b>19</b>	<b>131</b>
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Facility Id: 60001904  
Status: Active

CA AUTISM FOUNDATION	982 MARLESTA ROAD	ENE 1/2 - 1 (0.923 mi.)	20	158
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Facility Id: 7830003  
Status: No Action Required

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MONTALVIN MANOR Facility Id: 7330017 Status: No Further Action	CHRISTINE DR.	W 1/2 - 1 (0.715 mi.)	16	79
CHEVRON HILLTOP WEST Facility Id: 7290028 Status: Refer: RWQCB	ATLAS ROAD AND SAN P	WSW 1/2 - 1 (0.762 mi.)	17	80
<b>UNITED PARCEL SERVIC</b> Facility Id: 7330012 Status: Refer: RWQCB	<b>1601 ATLAS ROAD</b>	<b>W 1/2 - 1 (0.805 mi.)</b>	<b>18</b>	<b>81</b>

### State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 2 LUST sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>FORMER EXXON 7-0272</b> Database: LUST, Date of Government Version: 09/10/2018 Status: Completed - Case Closed Global Id: T0601300305	<b>16400 SAN PABLO AVE</b>	<b>NNW 1/4 - 1/2 (0.297 mi.)</b>	<b>C10</b>	<b>23</b>
FORMER EXXON 7-0272 Database: LUST REG 2, Date of Government Version: 09/30/2004 Facility Id: 07-0326 Facility Status: Case Closed date9: 3/26/2003	16400 SAN PABLO AVE	NNW 1/4 - 1/2 (0.297 mi.)	C11	72

CPS-SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CPS-SLIC list, as provided by EDR, has revealed that there is 1 CPS-SLIC site within approximately 0.5 miles of the target property.

## EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>CHEVRON LAND AND DEV</b> Database: SLIC REG 2, Date of Government Version: 09/30/2004 Database: CPS-SLIC, Date of Government Version: 09/10/2018 Facility Status: Open - Verification Monitoring Facility Id: 07S0020 Global Id: SLT2O236332	<b>UNKNOWN GARRITY CREE</b>	<b>SW 1/4 - 1/2 (0.381 mi.)</b>	<b>13</b>	<b>73</b>

### ADDITIONAL ENVIRONMENTAL RECORDS

#### ***Other Ascertainable Records***

RCRA NonGen / NLR: 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.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 03/01/2018 has revealed that there are 4 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>WOODS TRUCKING CO</b> EPA ID:: CAD980737662	<b>2652 RIM RD</b>	<b>NW 1/8 - 1/4 (0.238 mi.)</b>	<b>8</b>	<b>16</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>WILL M DYE</b> EPA ID:: CAD980888754	<b>2616 KENNEDY DR</b>	<b>SSW 0 - 1/8 (0.123 mi.)</b>	<b>B5</b>	<b>12</b>
<b>PAKI TRUCKING</b> EPA ID:: CAD980736920	<b>2571 KENNEY DR</b>	<b>SSW 1/8 - 1/4 (0.152 mi.)</b>	<b>B6</b>	<b>13</b>
<b>ROGERS RICK TRUCKING</b> EPA ID:: CAD980694533	<b>2367 SHANNON AVE</b>	<b>ENE 1/8 - 1/4 (0.233 mi.)</b>	<b>7</b>	<b>14</b>

Cortese: 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).

A review of the Cortese list, as provided by EDR, and dated 09/24/2018 has revealed that there is 1 Cortese site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>HILLTOP WEST PROJECT</b>	<b>3260 RICHMOND PARKWA</b>	<b>SW 1/4 - 1/2 (0.255 mi.)</b>	<b>9</b>	<b>18</b>

## EXECUTIVE SUMMARY

HIST CORTESE: 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 [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 3 HIST CORTESE sites within approximately 0.5 miles of the target property.

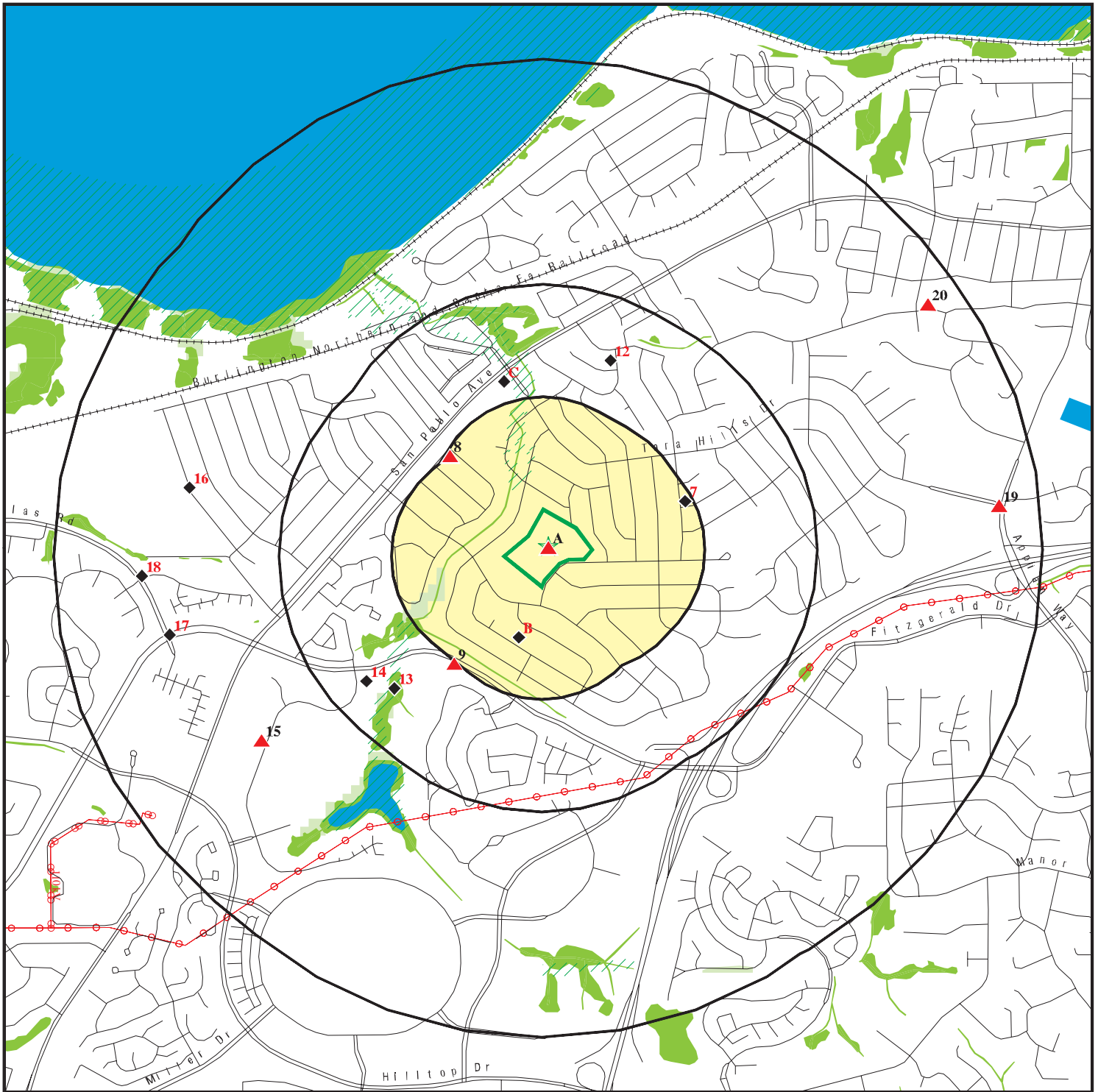
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>FORMER EXXON 7-0272</b> Reg Id: 07-0326	<b>16400 SAN PABLO AVE</b>	<b>NNW 1/4 - 1/2 (0.297 mi.)</b>	<b>C10</b>	<b>23</b>
MORGAN, JAMES & BARB Reg Id: 6A189102N63	2452 O HATCH	NNE 1/4 - 1/2 (0.363 mi.)	12	72
<b>YMCA OF THE EAST BAY</b> Reg Id: 07-0692	<b>4300 LAKESIDE DR</b>	<b>SW 1/4 - 1/2 (0.412 mi.)</b>	<b>14</b>	<b>74</b>

## EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 7 records.

<u>Site Name</u>	<u>Database(s)</u>
BLUE SKY SPORTS	SEMS
SAN PABLO BAY SPORTSMENS CLUB	SEMS-ARCHIVE
POINT ISABEL PARK TRAIL	CPS-SLIC
CATELLUS DEVELOPMENT CORP	CPS-SLIC
TERMINAL ONE RICHMOND	CPS-SLIC
SEACLIFF VILLAS	CPS-SLIC
CHEVRON LAND AND DEVELOPMENT	ENVIROSTOR

# OVERVIEW MAP - 5459240.2S



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

Power transmission lines

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

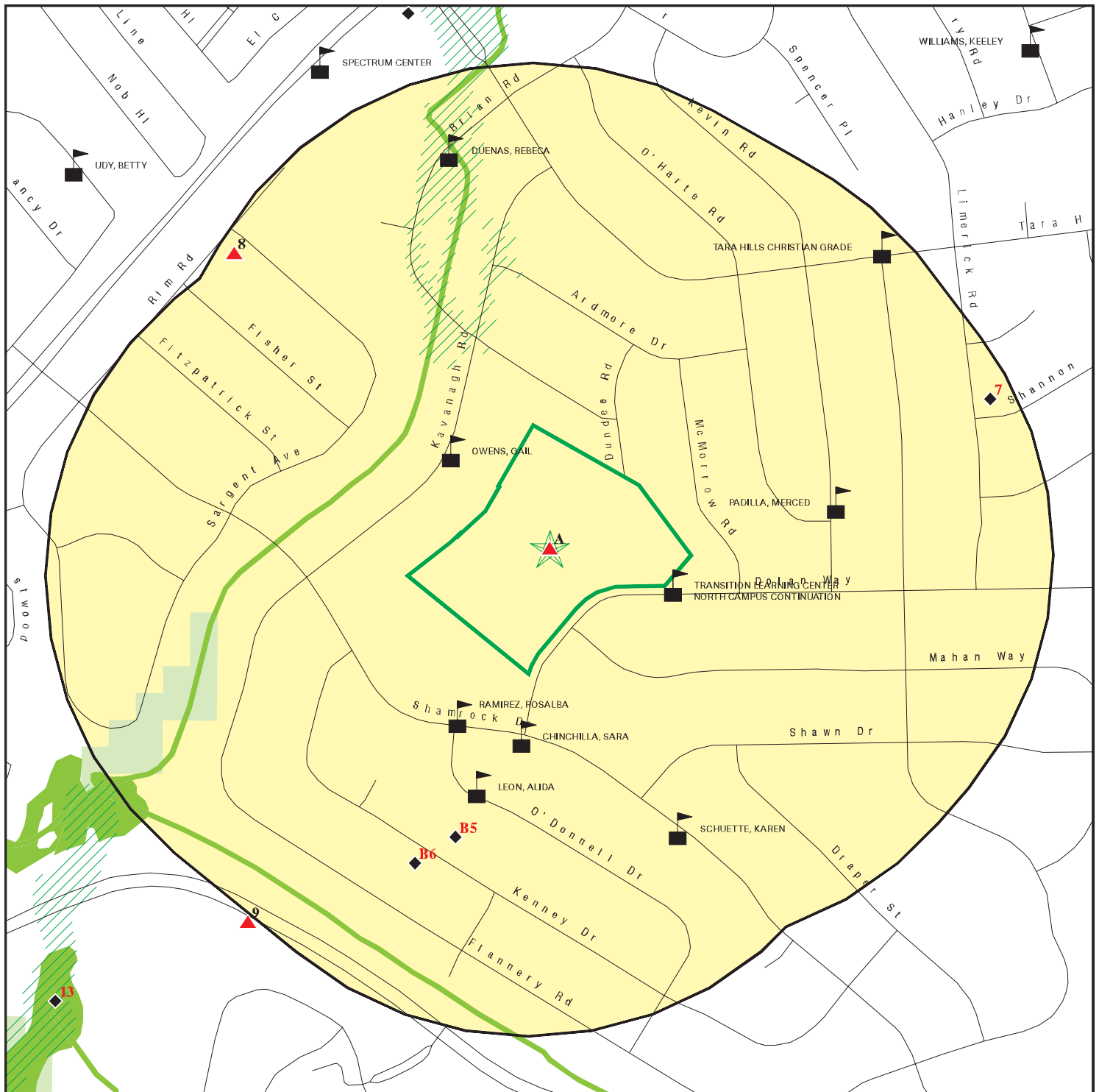
Areas of Concern

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: Former Kerry Hills ES Survey  
ADDRESS: 2465 Dolan Way  
San Pablo CA 94806  
LAT/LONG: 37.993898 / 122.320799

CLIENT: Millennium Environmental Consulting  
CONTACT: Steffany Loeb  
INQUIRY #: 5459240.2s  
DATE: October 19, 2018 1:29 pm

# DETAIL MAP - 5459240.2S



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

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

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: Former Kerry Hills ES Survey  
ADDRESS: 2465 Dolan Way  
San Pablo CA 94806  
LAT/LONG: 37.993898 / 122.320799

CLIENT: Millennium Environmental Consulting  
CONTACT: Steffany Loeb  
INQUIRY #: 5459240.2s  
DATE: October 19, 2018 1:33 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
<b>STANDARD ENVIRONMENTAL RECORDS</b>								
<b><i>Federal NPL site list</i></b>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	0.001		0	NR	NR	NR	NR	0
<b><i>Federal Delisted NPL site list</i></b>								
Delisted NPL	1.000		0	0	0	0	NR	0
<b><i>Federal CERCLIS list</i></b>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<b><i>Federal CERCLIS NFRAP site list</i></b>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA CORRACTS facilities list</i></b>								
CORRACTS	1.000		0	0	0	0	NR	0
<b><i>Federal RCRA non-CORRACTS TSD facilities list</i></b>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA generators list</i></b>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
<b><i>Federal institutional controls / engineering controls registries</i></b>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
<b><i>Federal ERNS list</i></b>								
ERNS	0.001	1	0	NR	NR	NR	NR	1
<b><i>State- and tribal - equivalent NPL</i></b>								
RESPONSE	1.000		0	0	0	0	NR	0
<b><i>State- and tribal - equivalent CERCLIS</i></b>								
ENVIROSTOR	1.000		0	0	0	6	NR	6
<b><i>State and tribal landfill and/or solid waste disposal site lists</i></b>								
SWF/LF	0.500		0	0	0	NR	NR	0
<b><i>State and tribal leaking storage tank lists</i></b>								
LUST	0.500		0	0	2	NR	NR	2

## 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
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	0	1	NR	NR	1
<b>State and tribal registered storage tank lists</b>								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
<b>State and tribal voluntary cleanup sites</b>								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
<b>State and tribal Brownfields sites</b>								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b>ADDITIONAL ENVIRONMENTAL RECORDS</b>								
<b>Local Brownfield lists</b>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b>Local Lists of Landfill / Solid Waste Disposal Sites</b>								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
<b>Local Lists of Hazardous waste / Contaminated Sites</b>								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250		0	0	NR	NR	NR	0
<b>Local Lists of Registered Storage Tanks</b>								
SWEEPS UST	0.250		0	0	NR	NR	NR	0
HIST UST	0.250		0	0	NR	NR	NR	0
CA FID UST	0.250		0	0	NR	NR	NR	0
CERS TANKS	0.250		0	0	NR	NR	NR	0
<b>Local Land Records</b>								
LIENS	0.001		0	NR	NR	NR	NR	0
LIENS 2	0.001		0	NR	NR	NR	NR	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
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001	1	0	NR	NR	NR	NR	0
CHMIRS	0.001		0	NR	NR	NR	NR	1
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		1	3	NR	NR	NR	4
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	0.001		0	NR	NR	NR	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.001		0	NR	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	1	NR	NR	1
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	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
EMI	0.001	2	0	NR	NR	NR	NR	0
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001	2	0	NR	NR	NR	NR	0
HAZNET	0.001		0	NR	NR	NR	NR	2
ICE	0.001	2	0	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	0	3	NR	NR	3
HWP	1.000	2	0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.001	2	0	NR	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001	2	0	NR	NR	NR	NR	0
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500	2	0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
CONTRA COSTA CO. SITE	0.250	2	0	0	NR	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500	2	0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
WIP	0.250	2	0	0	NR	NR	NR	0
WELL STIM PROJ	0.001		0	NR	NR	NR	NR	0
OTHER OIL GAS	0.001	2	0	NR	NR	NR	NR	0
SAMPLING POINT	0.001		0	NR	NR	NR	NR	0
CIWQS	0.001	2	0	NR	NR	NR	NR	0
PROJECT	0.001		0	NR	NR	NR	NR	0
CERS	0.001	2	0	NR	NR	NR	NR	0
UIC GEO	0.001		0	NR	NR	NR	NR	0
PROD WATER PONDS	0.001	2	0	NR	NR	NR	NR	0
WDR	0.001		0	NR	NR	NR	NR	0
MILITARY PRIV SITES	0.001	2	0	NR	NR	NR	NR	0
NON-CASE INFO	0.001		0	NR	NR	NR	NR	0

### EDR HIGH RISK HISTORICAL RECORDS

#### ***EDR Exclusive Records***

EDR MGP	1.000	0	0	0	0	NR	0
EDR Hist Auto	0.125	0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125	0	NR	NR	NR	NR	0

### EDR RECOVERED GOVERNMENT ARCHIVES

#### ***Exclusive Recovered Govt. Archives***

RGA LF	0.001	0	NR	NR	NR	NR	0
RGA LUST	0.001	0	NR	NR	NR	NR	0

- Totals -- 4 1 3 7 6 0 21

#### 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

A1  
Target  
Property

2465 DOLAN WAY  
SAN PABLO, CA

CHMIRS S105641598  
N/A

Site 1 of 4 in cluster A

Actual:  
127 ft.

CHMIRS:  
OES Incident Number: 07099  
OES notification: Not reported  
OES Date: 3/3/1995  
OES Time: 05:13:59 PM  
**Date Completed: Not reported**  
Property Use: Not reported  
Agency Id Number: Not reported  
Agency Incident Number: Not reported  
Time Notified: Not reported  
Time Completed: Not reported  
Surrounding Area: Not reported  
Estimated Temperature: Not reported  
Property Management: Not reported  
More Than Two Substances Involved?: Not reported  
Resp Agency Personel # Of Decontaminated: Not reported  
Responding Agency Personel # Of Injuries: Not reported  
Responding Agency Personel # Of Fatalities: Not reported  
Others Number Of Decontaminated: Not reported  
Others Number Of Injuries: Not reported  
Others Number Of Fatalities: Not reported  
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: Not reported  
Report Date: Not reported  
Facility Telephone: Not reported  
Waterway Involved: YES  
Waterway: Not reported  
Spill Site: Not reported  
Cleanup By: enviromental health  
Containment: Not reported  
What Happened: Not reported  
Type: CHEMICAL  
Measure: Not reported  
Other: Not reported  
Date/Time: Not reported  
Year: 1995  
Agency: enviromental health  
Incident Date: 1345 3 Mar, 95  
Admin Agency: Not reported  
Amount: 25 gals.  
Contained: NO  
Site Type: OTHER  
E Date: Not reported  
Substance: drug lab solid waste  
Unknown: Not reported  
Substance #2: Not reported  
Substance #3: Not reported  
Evacuations: NO

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

S105641598

Number of Injuries:	NO
Number of Fatalities:	NO
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	janitor found drug waste by dumpsters. contacted pd.
OES Incident Number:	08-1357
OES notification:	02/15/2008
OES Date:	Not reported
OES Time:	Not reported
<b>Date Completed:</b>	<b>Not reported</b>
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
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:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	School
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Unknown
Other:	Not reported
Date/Time:	0845
Year:	2008
Agency:	NRC
Incident Date:	2/14/2008



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

S105641598

Admin Agency:	Contra Costa County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Polychlorinated byphenyls
Quantity Released:	Unk
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per NRC report, Caller reported that a pad mounted transformer blew out and released oil onto the ground after it was repaired by PS&G. Students were not allowed to enter into their portables which is located behind the release and were transferred to the other side of the campus to resume classes. The area where the incident occurred was cordon off, classrooms were moved to the other side of the campus, no actions of clean up has taken place as of this time.

A2 WCCUSD/PUPIL SERVICES  
Target 2465 DOLAN WY  
Property SAN PABLO, CA 94806

HAZNET S112914963  
N/A

Site 2 of 4 in cluster A

Actual:  
127 ft.

HAZNET:

envid:	S112914963
Year:	2001
GEPAID:	CAC002354431
Contact:	ABRAHAM SABROI-MAINTENANCE MGR
Telephone:	5102343825
Mailing Name:	Not reported
Mailing Address:	1108 BISSELL ST
Mailing City,St,Zip:	RICHMOND, CA 948010000
Gen County:	Not reported
TSD EPA ID:	CAD981382732
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Disposal, Land Fill
Tons:	0.84
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Contra Costa

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**A3**  
**Target**  
**Property**

**WCCUSD/PUPIL SERVICES**  
**2465 DOLAN WY**  
**SAN PABLO, CA 94806**

**HAZNET** **S112898288**  
**N/A**

**Site 3 of 4 in cluster A**

**Actual:**  
**127 ft.**

HAZNET:  
envid: S112898288  
Year: 2000  
GEPAID: CAC002115864  
Contact: ABRAHAM SABROI-MAINTENANCE MGR  
Telephone: 5106202159  
Mailing Name: Not reported  
Mailing Address: 125 SOUTH 8TH ST  
Mailing City,St,Zip: RICHMOND, CA 948040000  
Gen County: Not reported  
TSD EPA ID: CAD981382732  
TSD County: Not reported  
Waste Category: Asbestos containing waste  
Disposal Method: Disposal, Land Fill  
Tons: 1.68  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Contra Costa

envid: S112898288  
Year: 1999  
GEPAID: CAC002115864  
Contact: WEST CONTRA COSTA UNIFIED SCH  
Telephone: 5106202159  
Mailing Name: Not reported  
Mailing Address: 125 SOUTH 8TH ST  
Mailing City,St,Zip: RICHMOND, CA 948040000  
Gen County: Not reported  
TSD EPA ID: CAD981382732  
TSD County: Not reported  
Waste Category: Asbestos containing waste  
Disposal Method: Disposal, Land Fill  
Tons: 263.7964  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: 7

**A4**  
**Target**  
**Property**

**2465 DOLAN WAY**  
**SAN PABLO, CA 94805**

**ERNS** **2008862478**  
**N/A**

**Site 4 of 4 in cluster A**

**Actual:**  
**127 ft.**

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

EDR ID Number  
EPA ID Number

**B5**  
**SSW**  
**< 1/8**  
**0.123 mi.**  
**650 ft.**

**WILL M DYE**  
**2616 KENNEDY DR**  
**SAN PABLO, CA 94806**  
**Site 1 of 2 in cluster B**

**RCRA NonGen / NLR**    **1000274526**  
**CAD980888754**

**Relative:**  
**Lower**

RCRA NonGen / NLR:

**Actual:**  
**115 ft.**

Date form received by agency: 09/16/1985  
Facility name: WILL M DYE  
Facility address: 2616 KENNEDY DR  
SAN PABLO, CA 94806  
EPA ID: CAD980888754  
Mailing address: KENNEDY DR  
SAN PABLO, CA 94806  
Contact: ENVIRONMENTAL MANAGER  
Contact address: 2616 KENNEDY DR  
SAN PABLO, CA 94806  
Contact country: US  
Contact telephone: 415-724-0428  
Contact email: Not reported  
EPA Region: 09  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999  
Owner/operator country: Not reported  
Owner/operator telephone: 415-555-1212  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999  
Owner/operator country: Not reported  
Owner/operator telephone: 415-555-1212  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: Yes  
Treater, storer or disposer of HW: No  
Underground injection activity: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WILL M DYE (Continued)**

**1000274526**

On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
Used oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Violation Status: No violations found

**B6**  
**SSW**  
**1/8-1/4**  
**0.152 mi.**  
**804 ft.**

**PAKI TRUCKING**  
**2571 KENNEY DR**  
**SAN PABLO, CA 94806**

**Site 2 of 2 in cluster B**

**RCRA NonGen / NLR**  
**FINDS**  
**ECHO**

**1000245066**  
**CAD980736920**

**Relative:**  
**Lower**  
**Actual:**  
**117 ft.**

RCRA NonGen / NLR:  
Date form received by agency: 06/12/1982  
Facility name: PAKI TRUCKING  
Facility address: 2571 KENNEY DR  
SAN PABLO, CA 94806  
EPA ID: CAD980736920  
Mailing address: KENNEY DR  
SAN PABLO, CA 94806  
Contact: ENVIRONMENTAL MANAGER  
Contact address: 2571 KENNEY DR  
SAN PABLO, CA 94806  
Contact country: US  
Contact telephone: 415-758-3654  
Contact email: Not reported  
EPA Region: 09  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

**Owner/Operator Summary:**

Owner/operator name: NOT REQUIRED  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999  
Owner/operator country: Not reported  
Owner/operator telephone: 415-555-1212  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported  
Owner/operator name: PATRICE A MALAILUA LARRY STOVER  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999  
Owner/operator country: Not reported  
Owner/operator telephone: 415-555-1212  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PAKI TRUCKING (Continued)**

**1000245066**

Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

**Handler Activities Summary:**

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: Yes  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Violation Status: No violations found

**FINDS:**

Registry ID: 110002671305

**Environmental Interest/Information System**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**ECHO:**

Envid: 1000245066  
Registry ID: 110002671305  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002671305>

**7**  
**ENE**  
**1/8-1/4**  
**0.233 mi.**  
**1230 ft.**

**ROGERS RICK TRUCKING**  
**2367 SHANNON AVE**  
**SAN PABLO, CA 94806**

**RCRA NonGen / NLR**  
**FINDS**  
**ECHO**

**1000217906**  
**CAD980694533**

**Relative:**  
**Lower**

RCRA NonGen / NLR:  
Date form received by agency: 10/28/1982  
Facility name: ROGERS RICK TRUCKING  
Facility address: 2367 SHANNON AVE  
SAN PABLO, CA 94806  
EPA ID: CAD980694533

**Actual:**  
**94 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROGERS RICK TRUCKING (Continued)**

**1000217906**

Mailing address: SHANNON AVE  
SAN PABLO, CA 94806  
Contact: ENVIRONMENTAL MANAGER  
Contact address: 2367 SHANNON AVE  
SAN PABLO, CA 94806  
Contact country: US  
Contact telephone: 415-724-1818  
Contact email: Not reported  
EPA Region: 09  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: RICK ROGERS  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999  
Owner/operator country: Not reported  
Owner/operator telephone: 415-555-1212  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported  
  
Owner/operator name: NOT REQUIRED  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999  
Owner/operator country: Not reported  
Owner/operator telephone: 415-555-1212  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: Yes  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
Used oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROGERS RICK TRUCKING (Continued)**

**1000217906**

Violation Status: No violations found

**FINDS:**

Registry ID: 110002670636

**Environmental Interest/Information System**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**ECHO:**

Envid: 1000217906  
Registry ID: 110002670636  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002670636>

**8**  
**NW**  
**1/8-1/4**  
**0.238 mi.**  
**1257 ft.**

**WOODS TRUCKING CO**  
**2652 RIM RD**  
**SAN PABLO, CA 94806**

**RCRA NonGen / NLR**  
**FINDS**  
**ECHO**

**1000192505**  
**CAD980737662**

**Relative:**  
**Higher**

**Actual:**  
**128 ft.**

RCRA NonGen / NLR:  
Date form received by agency: 09/14/1982  
Facility name: WOODS TRUCKING CO  
Facility address: 2652 RIM RD  
SAN PABLO, CA 94806  
EPA ID: CAD980737662  
Mailing address: RIM RD  
SAN PABLO, CA 94806  
Contact: ENVIRONMENTAL MANAGER  
Contact address: 2652 RIM RD  
SAN PABLO, CA 94806  
Contact country: US  
Contact telephone: 415-223-7512  
Contact email: Not reported  
EPA Region: 09  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

**Owner/Operator Summary:**

Owner/operator name: WOODS WILLIAM F  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999  
Owner/operator country: Not reported  
Owner/operator telephone: 415-555-1212  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WOODS TRUCKING CO (Continued)**

**1000192505**

Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported  
  
Owner/operator name: NOT REQUIRED  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999  
Owner/operator country: Not reported  
Owner/operator telephone: 415-555-1212  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

**Handler Activities Summary:**

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: Yes  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
Used oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Violation Status: No violations found

**FINDS:**

Registry ID: 110002671706

**Environmental Interest/Information System**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**ECHO:**

Envid: 1000192505  
Registry ID: 110002671706  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002671706>

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

EDR ID Number  
EPA ID Number

9  
SW  
1/4-1/2  
0.255 mi.  
1347 ft.

**HILLTOP WEST PROJECT**  
**3260 RICHMOND PARKWAY**  
**RICHMOND, CA 94806**

**LDS**  
**Cortese**  
**ENF**  
**CIWQS**  
**CERS**  
**S109286822**  
**N/A**

**Relative:**  
**Higher**

LDS:

**Actual:**  
**128 ft.**

Global Id: L10007138953  
Latitude: 37.98723  
Longitude: -122.3373  
Case Type: Land Disposal Site  
Status: Open - Verification Monitoring  
Status Date: 01/01/1986  
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)  
Caseworker: AJK  
Local Agency: Not reported  
RB Case Number: 2 071171001  
LOC Case Number: Not reported  
File Location: Not reported  
Potential Media Affect: Other Groundwater (uses other than drinking water), Soil  
EDR Link ID: L10007138953  
Potential Contaminants of Concern: Crude Oil, Diesel, MTBE / TBA / Other Fuel Oxygenates, Gasoline, Kerosene  
Site History: Petroleum storage tanks were first constructed at the Site about 1915. At its peak, the Site contained forty-five 100-foot diameter above-ground petroleum storage tanks (ASTs) and numerous above-ground and below-ground pipelines. By 1987, all ASTs and related piping had been drained, dismantled, and removed as part of Site remediation and in preparation for future Site development. 1986, the Chevron Land and Development Company (CLDC), which was a wholly-owned subsidiary of Chevron U.S.A., assumed ownership of the property and undertook a large-scale investigation and soil remediation project as part of an effort to redevelop the former tank farm for commercial and residential use. The investigation and soil remediation project included the characterization of soil and groundwater impacts, evaluation of water quality threats, and development of a remedial action plan (RAP), which was implemented in 1988 and 1989. In the late 1990s, Acacia Construction, Inc. (Acacia), SCS Development Company (SCS), and Berlex Biosciences acquired portions of the Site for residential, commercial, and/or industrial development. The property acquired by Acacia was subsequently sold to Essex Property Trust, Hopkins Real Estate Group, and Santa Clara Valley Housing Group. Currently four development projects exist or are planned at the Site. These include: 1) Essex Property Trusts Vista Del Mar project comprising 432 multi-family residential units, common open space, parking, park area, & tennis courts, 2) Hopkins Real Estate Groups commercial project, 3) Santa Clara Valley Housing Groups 88-unit Fairways residential development, and 4) SCS 135-acre Park Ridge / Country Club Vista residential development, consisting of 645 residential units, parks, and recreation space.

[Click here to access the California GeoTracker records for this facility:](#)

CORTESE:

Region: CORTESE  
Envirostor Id: Not reported  
Site/Facility Type: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HILLTOP WEST PROJECT (Continued)**

**S109286822**

Cleanup Status:	Not reported
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	CORTESE
Order No:	R2-2003-0032
Waste Discharge System No:	Not reported
Effective Date:	04/16/2003
Region 2:	2
WID Id:	2 071171001
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Cease Desist Orders & Cleanup Abatement Orders

**ENF:**

Region:	2
Facility Id:	231728
Agency Name:	Chevron Land & Development Brea
Place Type:	Waste Management Unit
Place Subtype:	Land Treatment Unit
Facility Type:	Solid Waste Class II - designated wastes
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	1531
SIC Desc 1:	Operative Builders
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.0001
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Contaminated soil
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LFNONOPER
Program Category1:	LNDISP
Program Category2:	Not reported
# Of Programs:	1
WDID:	2 071171001
Reg Measure Id:	132204

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HILLTOP WEST PROJECT (Continued)**

**S109286822**

Reg Measure Type:	WDR
Region:	2
Order #:	R2-2003-0032
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	4000
Status:	Active
Status Date:	02/14/2014
Effective Date:	04/16/2003
Expiration/Review Date:	04/16/2013
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	59 - Land Disposal Site not paying tipping fee
Direction/Voice:	Passive
Enforcement Id(EID):	236667
Region:	2
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Oral Communication
Effective Date:	07/12/2001
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	07/12/2001
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Verbal Warning for Overdue SMR
Description:	Overdue SMR
Program:	LNDISP
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0
Region:	2
Facility Id:	231728
Agency Name:	Chevron Land & Development Brea
Place Type:	Waste Management Unit
Place Subtype:	Land Treatment Unit
Facility Type:	Solid Waste Class II - designated wastes
Agency Type:	Privately-Owned Business
# Of Agencies:	1

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HILLTOP WEST PROJECT (Continued)**

**S109286822**

Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	1531
SIC Desc 1:	Operative Builders
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.0001
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Contaminated soil
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LFNONOPER
Program Category1:	LNDISP
Program Category2:	Not reported
# Of Programs:	1
WDID:	2 071171001
Reg Measure Id:	132204
Reg Measure Type:	WDR
Region:	2
Order #:	R2-2003-0032
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	4000
Status:	Active
Status Date:	02/14/2014
Effective Date:	04/16/2003
Expiration/Review Date:	04/16/2013
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	59 - Land Disposal Site not paying tipping fee
Direction/Voice:	Passive
Enforcement Id(EID):	219965
Region:	2

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HILLTOP WEST PROJECT (Continued)**

**S109286822**

Order / Resolution Number: 90-029  
Enforcement Action Type: Clean-up and Abatement Order  
Effective Date: 02/21/1990  
Adoption/Issuance Date: Not reported  
Achieve Date: Not reported  
Termination Date: Not reported  
ACL Issuance Date: Not reported  
EPL Issuance Date: Not reported  
Status: Active  
Title: Enforcement - 2 071171001  
Description: SCR-REQUIRES SITE CHARACTERIZZTIN REPORT ON 6/1/90 & EVAL OF REMEDIATION ALTERN 8/1/90.  
  
Program: LNDISP  
Latest Milestone Completion Date: Not reported  
# Of Programs1: 1  
Total Assessment Amount: 0  
Initial Assessed Amount: 0  
Liability \$ Amount: 0  
Project \$ Amount: 0  
Liability \$ Paid: 0  
Project \$ Completed: 0  
Total \$ Paid/Completed Amount: 0

**CIWQS:**

Agency: Chevron Land & Development Brea  
Agency Address: 145 South State College Boulevard, Brea, CA 92822  
Place/Project Type: Land Treatment Unit  
SIC/NAICS: 1531  
Region: 2  
Program: LFNONOPER, LNDISP  
Regulatory Measure Status: Active  
Regulatory Measure Type: WDR  
Order Number: R2-2003-0032  
WDID: 2 071171001  
NPDES Number: Not reported  
Adoption Date: 04/16/2003  
Effective Date: 04/16/2003  
Termination Date: Not reported  
Expiration/Review Date: 04/16/2013  
Design Flow: 0.0001  
Major/Minor: Not reported  
Complexity: B  
TTWQ: 2  
Enforcement Actions within 5 years: 0  
Violations within 5 years: 0  
Latitude: Not reported  
Longitude: Not reported

**CERS TANKS:**

Site ID: 211632  
CERS ID: L10007138953  
CERS Description: Land Disposal Site

**Affiliation:**

Affiliation Type Desc: Regional Board Caseworker  
Entity Name: ALYX KARPOWICZ - SAN FRANCISCO BAY RWQCB (REGION 2)  
Entity Title: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HILLTOP WEST PROJECT (Continued)**

**S109286822**

Affiliation Address: 1515 Clay St., Suite 1400  
Affiliation City: OAKLAND  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: 5106222427

**C10 FORMER EXXON 7-0272**  
**NNW 16400 SAN PABLO AVE**  
**1/4-1/2 SAN PABLO, CA 94806**  
**0.297 mi.**  
**1568 ft. Site 1 of 2 in cluster C**

**Relative:**  
**Lower**

**Actual:**  
**28 ft.**

**LUST S103634581**  
**SWEEPS UST N/A**  
**ENF**  
**HAZNET**  
**HIST CORTESE**  
**CONTRA COSTA CO. SITE LIST**  
**CERS HAZ WASTE**  
**CERS TANKS**  
**CERS**

**LUST:**

Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)  
Case Type: LUST Cleanup Site  
Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0601300305](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0601300305)  
Global Id: T0601300305  
Latitude: 38.000283  
Longitude: -122.321417  
Status: Completed - Case Closed  
Status Date: 03/26/2003  
Case Worker: BGS  
RB Case Number: 07-0326  
Local Agency: CONTRA COSTA COUNTY  
File Location: Regional Board  
Local Case Number: 16124  
Potential Media Affect: Other Groundwater (uses other than drinking water)  
Potential Contaminants of Concern: Diesel, Gasoline, Waste Oil / Motor / Hydraulic / Lubricating  
Site History: Not reported

**LUST:**

Global Id: T0601300305  
Contact Type: Regional Board Caseworker  
Contact Name: BARBARA SIEMINSKI  
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)  
Address: 1515 CLAY STREET, SUITE 1400  
City: OAKLAND  
Email: [bsieminski@waterboards.ca.gov](mailto:bsieminski@waterboards.ca.gov)  
Phone Number: Not reported

Global Id: T0601300305  
Contact Type: Local Agency Caseworker  
Contact Name: SUE LOYD  
Organization Name: CONTRA COSTA COUNTY  
Address: 4333 PACHECO BLVD.  
City: MARTINEZ  
Email: [sloyd@hsd.co.contra-costa.ca.us](mailto:sloyd@hsd.co.contra-costa.ca.us)  
Phone Number: Not reported

**LUST:**

Global Id: T0601300305  
Action Type: ENFORCEMENT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER EXXON 7-0272 (Continued)**

**S103634581**

Date:	08/07/2002
Action:	Staff Letter
Global Id:	T0601300305
Action Type:	REMEDIATION
Date:	09/24/1991
Action:	Excavation
Global Id:	T0601300305
Action Type:	Other
Date:	03/24/1986
Action:	Leak Stopped
Global Id:	T0601300305
Action Type:	REMEDIATION
Date:	07/10/2000
Action:	Soil Vapor Extraction (SVE)
Global Id:	T0601300305
Action Type:	ENFORCEMENT
Date:	05/09/2002
Action:	Staff Letter
Global Id:	T0601300305
Action Type:	RESPONSE
Date:	07/09/2002
Action:	Other Workplan
Global Id:	T0601300305
Action Type:	REMEDIATION
Date:	01/09/2002
Action:	Excavation
Global Id:	T0601300305
Action Type:	ENFORCEMENT
Date:	10/07/2002
Action:	Staff Letter
Global Id:	T0601300305
Action Type:	ENFORCEMENT
Date:	03/26/2003
Action:	Closure/No Further Action Letter
Global Id:	T0601300305
Action Type:	RESPONSE
Date:	10/07/2002
Action:	Other Workplan
Global Id:	T0601300305
Action Type:	RESPONSE
Date:	01/08/2003
Action:	Other Report / Document
Global Id:	T0601300305
Action Type:	ENFORCEMENT
Date:	09/13/2002
Action:	Site Visit / Inspection / Sampling

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER EXXON 7-0272 (Continued)**

**S103634581**

Global Id: T0601300305  
Action Type: ENFORCEMENT  
Date: 10/07/2002  
Action: File review

Global Id: T0601300305  
Action Type: Other  
Date: 04/09/1986  
Action: Leak Reported

Global Id: T0601300305  
Action Type: Other  
Date: 04/08/1986  
Action: Leak Discovery

**LUST:**

Global Id: T0601300305  
Status: Completed - Case Closed  
Status Date: 03/26/2003

Global Id: T0601300305  
Status: Open - Case Begin Date  
Status Date: 03/24/1986

Global Id: T0601300305  
Status: Open - Site Assessment  
Status Date: 11/30/1986

Global Id: T0601300305  
Status: Open - Site Assessment  
Status Date: 08/03/1994

**SWEEPS UST:**

Status: Not reported  
Comp Number: 16124  
Number: Not reported  
Board Of Equalization: 44-000217  
Referral Date: Not reported  
Action Date: Not reported  
Created Date: Not reported  
Owner Tank Id: Not reported  
SWRCB Tank Id: 07-000-016124-000001  
Tank Status: Not reported  
Capacity: 10000  
Active Date: Not reported  
Tank Use: M.V. FUEL  
STG: PRODUCT  
Content: REG UNLEADED  
Number Of Tanks: 4

Status: Not reported  
Comp Number: 16124  
Number: Not reported  
Board Of Equalization: 44-000217  
Referral Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER EXXON 7-0272 (Continued)**

**S103634581**

Action Date: Not reported  
Created Date: Not reported  
Owner Tank Id: Not reported  
SWRCB Tank Id: 07-000-016124-000002  
Tank Status: Not reported  
Capacity: 6000  
Active Date: Not reported  
Tank Use: M.V. FUEL  
STG: PRODUCT  
Content: REG UNLEADED  
Number Of Tanks: Not reported

Status: Not reported  
Comp Number: 16124  
Number: Not reported  
Board Of Equalization: 44-000217  
Referral Date: Not reported  
Action Date: Not reported  
Created Date: Not reported  
Owner Tank Id: Not reported  
SWRCB Tank Id: 07-000-016124-000003  
Tank Status: Not reported  
Capacity: 10000  
Active Date: Not reported  
Tank Use: M.V. FUEL  
STG: PRODUCT  
Content: REG UNLEADED  
Number Of Tanks: Not reported

Status: Not reported  
Comp Number: 16124  
Number: Not reported  
Board Of Equalization: 44-000217  
Referral Date: Not reported  
Action Date: Not reported  
Created Date: Not reported  
Owner Tank Id: Not reported  
SWRCB Tank Id: 07-000-016124-000004  
Tank Status: Not reported  
Capacity: 550  
Active Date: Not reported  
Tank Use: OIL  
STG: WASTE  
Content: WASTE OIL  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 16124  
Number: 1  
Board Of Equalization: 44-000217  
Referral Date: 04-03-92  
Action Date: 04-03-92  
Created Date: 07-22-88  
Owner Tank Id: 5  
SWRCB Tank Id: 07-000-016124-000005  
Tank Status: A  
Capacity: 10000

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER EXXON 7-0272 (Continued)**

**S103634581**

Active Date: 12-05-91  
Tank Use: M.V. FUEL  
STG: P  
Content: LEADED  
Number Of Tanks: 5

Status: Active  
Comp Number: 16124  
Number: 1  
Board Of Equalization: 44-000217  
Referral Date: 04-03-92  
Action Date: 04-03-92  
Created Date: 07-22-88  
Owner Tank Id: 6  
SWRCB Tank Id: 07-000-016124-000006  
Tank Status: A  
Capacity: 10000  
Active Date: 04-03-92  
Tank Use: M.V. FUEL  
STG: P  
Content: REG UNLEADED  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 16124  
Number: 1  
Board Of Equalization: 44-000217  
Referral Date: 04-03-92  
Action Date: 04-03-92  
Created Date: 07-22-88  
Owner Tank Id: 7  
SWRCB Tank Id: 07-000-016124-000007  
Tank Status: A  
Capacity: 10000  
Active Date: 04-03-92  
Tank Use: M.V. FUEL  
STG: P  
Content: REG UNLEADED  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 16124  
Number: 1  
Board Of Equalization: 44-000217  
Referral Date: 04-03-92  
Action Date: 04-03-92  
Created Date: 07-22-88  
Owner Tank Id: 8  
SWRCB Tank Id: 07-000-016124-000008  
Tank Status: A  
Capacity: 10000  
Active Date: 04-03-92  
Tank Use: M.V. FUEL  
STG: P  
Content: DIESEL  
Number Of Tanks: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER EXXON 7-0272 (Continued)**

**S103634581**

Status: Active  
Comp Number: 16124  
Number: 1  
Board Of Equalization: 44-000217  
Referral Date: 04-03-92  
Action Date: 04-03-92  
Created Date: 07-22-88  
Owner Tank Id: 9  
SWRCB Tank Id: 07-000-016124-000009  
Tank Status: A  
Capacity: 550  
Active Date: 12-05-91  
Tank Use: OIL  
STG: W  
Content: WASTE OIL  
Number Of Tanks: Not reported

**ENF:**

Region: 2  
Facility Id: 223957  
Agency Name: Exxon Texaco  
Place Type: Facility  
Place Subtype: Not reported  
Facility Type: All other facilities  
Agency Type: Privately-Owned Business  
# Of Agencies: 1  
Place Latitude: 37.999093000000  
Place Longitude: -122.323313  
SIC Code 1: Not reported  
SIC Desc 1: Not reported  
SIC Code 2: Not reported  
SIC Desc 2: Not reported  
SIC Code 3: Not reported  
SIC Desc 3: Not reported  
NAICS Code 1: Not reported  
NAICS Desc 1: Not reported  
NAICS Code 2: Not reported  
NAICS Desc 2: Not reported  
NAICS Code 3: Not reported  
NAICS Desc 3: Not reported  
# Of Places: 1  
Source Of Facility: Reg Meas  
Design Flow: Not reported  
Threat To Water Quality: Not reported  
Complexity: Not reported  
Pretreatment: Not reported  
Facility Waste Type: Not reported  
Facility Waste Type 2: Not reported  
Facility Waste Type 3: Not reported  
Facility Waste Type 4: Not reported  
Program: UST  
Program Category1: TANKS  
Program Category2: Not reported  
# Of Programs: 1  
WDID: 2 07-0326  
Reg Measure Id: 164704  
Reg Measure Type: Unregulated

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER EXXON 7-0272 (Continued)**

**S103634581**

Region:	2
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	242206
Region:	2
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	05/09/2002
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	Enforcement - 2 07-0326
Description:	Not reported
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0
Region:	2
Facility Id:	223957
Agency Name:	Exxon Texaco
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.999093000000



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER EXXON 7-0272 (Continued)**

**S103634581**

Place Longitude:	-122.323313
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	Not reported
# Of Programs:	1
WDID:	2 07-0326
Reg Measure Id:	164704
Reg Measure Type:	Unregulated
Region:	2
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	236527
Region:	2
Order / Resolution Number:	UNKNOWN

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER EXXON 7-0272 (Continued)**

**S103634581**

Enforcement Action Type:	13267 Letter
Effective Date:	05/31/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 2 07-0326
Description:	Not reported
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0
Region:	2
Facility Id:	223957
Agency Name:	Exxon Texaco
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.999093000000
Place Longitude:	-122.323313
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	Not reported
# Of Programs:	1

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER EXXON 7-0272 (Continued)**

**S103634581**

WDID:	2 07-0326
Reg Measure Id:	164704
Reg Measure Type:	Unregulated
Region:	2
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	236526
Region:	2
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	06/16/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 2 07-0326
Description:	Not reported
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0

**HAZNET:**

envid:	S103634581
Year:	2016
GEPAID:	CAL000404263
Contact:	AMANDA AISH
Telephone:	6505897722

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER EXXON 7-0272 (Continued)**

**S103634581**

Mailing Name: Not reported  
Mailing Address: 1435 HUNTINGTON AVE STE 210  
Mailing City,St,Zip: SOUTH SAN FRANCISCO, CA 940805966  
Gen County: Contra Costa  
TSD EPA ID: AZR000501510  
TSD County: 99  
Waste Category: Unspecified oil-containing waste  
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery  
(H010-H129) Or (H131-H135)  
Tons: 6.255  
Cat Decode: Unspecified oil-containing waste  
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery  
(H010-H129) Or (H131-H135)  
Facility County: Contra Costa

**HIST CORTESE:**

Region: CORTESE  
Facility County Code: 7  
Reg By: LTNKA  
Reg Id: 07-0326

**CONTRA COSTA CO. SITE LIST:**

Facility ID: FA0030425  
Billing Status: INACTIVE, NON-BILLABLE  
Program Status: CONTRA COSTA CO. SITE LIST  
Program/Elements: HMBP: 1K-10K LBS, 0-19 EMPLOYEES  
Region: CONTRA COSTA  
Cupa Number: 773756

Facility ID: FA0030425  
Billing Status: INACTIVE, NON-BILLABLE  
Program Status: CONTRA COSTA CO. SITE LIST  
Program/Elements: HWG: LESS THAN 5 TONS/YEAR  
Region: CONTRA COSTA  
Cupa Number: 773756

Facility ID: FA0031810  
Billing Status: ACTIVE, BILLABLE  
Program Status: CONTRA COSTA CO. SITE LIST  
Program/Elements: HMBP: >250K-500K LBS, 0-19 EMPLOYEES  
Region: CONTRA COSTA  
Cupa Number: 716124

Facility ID: FA0031810  
Billing Status: ACTIVE, BILLABLE  
Program Status: CONTRA COSTA CO. SITE LIST  
Program/Elements: HWG: REPORTED ZERO  
Region: CONTRA COSTA  
Cupa Number: 716124

Facility ID: FA0031810  
Billing Status: ACTIVE, BILLABLE  
Program Status: CONTRA COSTA CO. SITE LIST  
Program/Elements: UNDERGROUND STORAGE TANK SITE  
Region: CONTRA COSTA  
Cupa Number: 716124

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER EXXON 7-0272 (Continued)**

**S103634581**

**CERS HAZ WASTE:**

Site ID: 26197  
CERS ID: 10156047  
CERS Description: Hazardous Waste Generator

**Violations:**

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Violation Date: 07-24-2013  
Citation: HSC 6.67 Multiple Sections - California Health and Safety Code, Chapter 6.67, Section(s) Multiple Sections  
Violation Description: Haz Waste Generator Program - Administration/Documentation - General  
Violation Notes: Returned to compliance on 08/27/2013.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: HW  
Violation Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Violation Date: 03-15-2013  
Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections  
Violation Description: UST Program - Design/Construction - General  
Violation Notes: Returned to compliance on 05/08/2013.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Violation Date: 03-22-2018  
Citation: HSC 6.7 25290.1(c),25290.2(c),25291(a)(2),2529.1(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c),25290.2(c),25291(a)(2),2529.1(e)  
Violation Description: Failure to maintain secondary containment (e.g., failure of secondary containment testing).  
Violation Notes: OBSERVATION: The July 20, 2017 secondary containment test results indicate a failure at the diesel stp sump and secondary piping and 87 secondary piping. All secondary containment for the UST system must be tight. CORRECTIVE ACTION: Immediately have a properly licensed, trained, and certified contractor repair or replace the failed component(s). If component repair and/or replacement and component testing is not completed by April 20, 2018, CCHSHMP may implement penalties and/or give the facility a seven (7) day notice of intent to Reg Tag the Diesel and 87 Unleaded UST system. If the USTs are Red Tagged, they will have to be taken out of service until the repairs and/or replaces are completed.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Violation Date: 07-24-2013  
Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections  
Violation Description: UST Program - Operations/Maintenance - General

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER EXXON 7-0272 (Continued)**

**S103634581**

Violation Notes: Returned to compliance on 08/27/2013.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Violation Date: 04-20-2018  
Citation: HSC 6.7 25290.1(c),25290.2(c),25291(a)(2),2529.1(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c),25290.2(c),25291(a)(2),2529.1(e)

Violation Description: Failure to maintain secondary containment (e.g., failure of secondary containment testing).

Violation Notes: OBSERVATION: Owner/Operator did not test and pass the primary and secondary containment installation testing per manufacturers guidelines. cchshmp observed the 87 and 91 ust secondary containment piping failed 5 psi for one hour test. test boot was checked for leaks and appeared to be in good condition. leak(s) may be originating from the udc's. CORRECTIVE ACTION: Test and pass the primary and secondary containment installation testing per manufacturers guidelines. Submit test results.

Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Violation Date: 08-29-2017  
Citation: 23 CCR 16 2637 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637

Violation Description: Failure to conduct secondary containment testing, or one or more of the following requirements: Perform the test within six months of installation and every 36 months thereafter. Use a procedure that demonstrates the system works as well as at installation. Use applicable manufacturer guidelines, industry codes, engineering standard, or professional engineer approval. Performed by a certified service technician or a licensed tank tester.

Violation Notes: Not reported  
Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Violation Date: 07-22-2014  
Citation: Un-Specified  
Violation Description: UST Program - Operations/Maintenance - For use of Local Ordinance only.

Violation Notes: Returned to compliance on 07/22/2014.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Violation Date: 07-20-2017  
Citation: 23 CCR 16 2637 - California Code of Regulations, Title 23, Chapter 16,

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER EXXON 7-0272 (Continued)**

**S103634581**

Violation Description: Section(s) 2637  
Failure to conduct secondary containment testing, or one or more of the following requirements: Perform the test within six months of installation and every 36 months thereafter. Use a procedure that demonstrates the system works as well as at installation. Use applicable manufacturer guidelines, industry codes, engineering standard, or professional engineer approval. Performed by a certified service technician or a licensed tank tester.

Violation Notes: Not reported  
Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Violation Date: 07-20-2017  
Citation: 23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)

Violation Description: Failure of the line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: Monitor at least hourly. Be capable of detecting a release of 3.0 gallons per hour at 10 p.s.i.g. Restrict or shut off the flow of product through the piping when a leak is detected.

Violation Notes: Returned to compliance on 08/29/2017.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Violation Date: 07-20-2015  
Citation: Un-Specified

Violation Description: UST Program - Operations/Maintenance - For use of Local Ordinance only.

Violation Notes: Returned to compliance on 07/20/2015.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Violation Date: 03-15-2013  
Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections

Violation Description: UST Program - Training - General

Violation Notes: Returned to compliance on 05/08/2013.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Violation Date: 07-24-2013  
Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections

Violation Description: UST Program - Training - General

Violation Notes: Returned to compliance on 08/27/2013.



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER EXXON 7-0272 (Continued)**

**S103634581**

Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Violation Date: 04-20-2018  
Citation: 23 CCR 16 2638(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(d)  
Violation Description: Failure to submit the Annual Monitoring System Certification Form to the UPA within 30 days of completion of the test.  
Violation Notes: OBSERVATION: Owner/Operator did not submit the annual Monitoring System Certification Form for July 20, 2017 to the CUPA within 30 days of completion of the test. CORRECTIVE ACTION: Submit copy of the annual Monitoring System Certification to the CUPA.

Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Violation Date: 07-12-2016  
Citation: 23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)  
Violation Description: Failure of the line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: Monitor at least hourly. Be capable of detecting a release of 3.0 gallons per hour at 10 p.s.i.g. Restrict or shut off the flow of product through the piping when a leak is detected.  
Violation Notes: Returned to compliance on 08/11/2016.

Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Violation Date: 07-24-2013  
Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections  
Violation Description: UST Program - Operations/Maintenance - General  
Violation Notes: Returned to compliance on 07/24/2013.

Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Violation Date: 07-20-2017  
Citation: 23 CCR 16 2715(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(e)  
Violation Description: Failure to maintain a copy of the designated operator monthly inspections for the last 12 months on-site or off-site at a readily available location, if approved by the UPA.  
Violation Notes: Returned to compliance on 08/29/2017.

Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER EXXON 7-0272 (Continued)**

**S103634581**

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Violation Date: 07-20-2017  
Citation: 23 CCR 16 2630(d), 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2630(d), 2641(a)  
Violation Description: Failure of leak detection equipment to be located such that equipment is capable of detecting a leak at the earliest possible opportunity.  
Violation Notes: Returned to compliance on 07/20/2017.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Violation Date: 07-20-2015  
Citation: Un-Specified  
Violation Description: UST Program - Operations/Maintenance - For use of Local Ordinance only.  
Violation Notes: Returned to compliance on 08/24/2015.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Violation Date: 07-24-2013  
Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections  
Violation Description: UST Program - Administration/Documentation - General  
Violation Notes: Returned to compliance on 08/27/2013. US25 SEC CONTAINMENT NOT APPROVED BY STATE OF CA  
Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

**Evaluation:**

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 03-15-2013  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 03-22-2018  
Violations Found: Yes  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 04-20-2018  
Violations Found: Yes

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER EXXON 7-0272 (Continued)**

**S103634581**

Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 05-08-2013  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 07-12-2016  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 07-12-2016  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 07-12-2016  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 07-20-2015  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 07-20-2017  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER EXXON 7-0272 (Continued)**

**S103634581**

Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-22-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-22-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-22-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-24-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-24-2013
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-24-2013
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER EXXON 7-0272 (Continued)**

**S103634581**

Eval General Type: Other/Unknown  
Eval Date: 08-18-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 08-24-2015  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 08-27-2013  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 08-27-2013  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 08-29-2017  
Violations Found: Yes  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

**Enforcement Action:**

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Site Address: 16400 SAN PABLO AVE  
Site City: SAN PABLO  
Site Zip: 94806  
Enf Action Date: 03-15-2013  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported  
Enf Action Division: Contra Costa County Health Services Department  
Enf Action Program: UST

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER EXXON 7-0272 (Continued)**

**S103634581**

Enf Action Source:	CERS
Site ID:	26197
Site Name:	DOUBLE AA SAN PABLO
Site Address:	16400 SAN PABLO AVE
Site City:	SAN PABLO
Site Zip:	94806
Enf Action Date:	03-22-2018
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS
Site ID:	26197
Site Name:	DOUBLE AA SAN PABLO
Site Address:	16400 SAN PABLO AVE
Site City:	SAN PABLO
Site Zip:	94806
Enf Action Date:	04-20-2018
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS
Site ID:	26197
Site Name:	DOUBLE AA SAN PABLO
Site Address:	16400 SAN PABLO AVE
Site City:	SAN PABLO
Site Zip:	94806
Enf Action Date:	07-12-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS
Site ID:	26197
Site Name:	DOUBLE AA SAN PABLO
Site Address:	16400 SAN PABLO AVE
Site City:	SAN PABLO
Site Zip:	94806
Enf Action Date:	07-20-2015
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS
Site ID:	26197
Site Name:	DOUBLE AA SAN PABLO
Site Address:	16400 SAN PABLO AVE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER EXXON 7-0272 (Continued)**

**S103634581**

Site City: SAN PABLO  
Site Zip: 94806  
Enf Action Date: 07-20-2017  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported  
Enf Action Division: Contra Costa County Health Services Department  
Enf Action Program: UST  
Enf Action Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Site Address: 16400 SAN PABLO AVE  
Site City: SAN PABLO  
Site Zip: 94806  
Enf Action Date: 07-22-2014  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported  
Enf Action Division: Contra Costa County Health Services Department  
Enf Action Program: UST  
Enf Action Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Site Address: 16400 SAN PABLO AVE  
Site City: SAN PABLO  
Site Zip: 94806  
Enf Action Date: 07-24-2013  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported  
Enf Action Division: Contra Costa County Health Services Department  
Enf Action Program: HW  
Enf Action Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Site Address: 16400 SAN PABLO AVE  
Site City: SAN PABLO  
Site Zip: 94806  
Enf Action Date: 07-24-2013  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported  
Enf Action Division: Contra Costa County Health Services Department  
Enf Action Program: UST  
Enf Action Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Site Address: 16400 SAN PABLO AVE  
Site City: SAN PABLO  
Site Zip: 94806  
Enf Action Date: 08-29-2017  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER EXXON 7-0272 (Continued)**

**S103634581**

Enf Action Notes: Not reported  
Enf Action Division: Contra Costa County Health Services Department  
Enf Action Program: UST  
Enf Action Source: CERS

Coordinates:

Site ID: 26197  
Facility Name: DOUBLE AA SAN PABLO  
Env Int Type Code: HWG  
Program ID: 10156047  
Coord Name: Not reported  
Ref Point Type Desc: Center of a facility or station.  
Latitude: 37.999250  
Longitude: -122.322590

Affiliation:

Affiliation Type Desc: CUPA District  
Entity Name: Contra Costa County Health Services Department  
Entity Title: Not reported  
Affiliation Address: 4585 Pacheco Blvd Suite 100  
Affiliation City: Martinez  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94553  
Affiliation Phone: (925) 335-3200

Affiliation Type Desc: Document Preparer  
Entity Name: Ray Serrano  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact  
Entity Name: Wisfe Aish  
Entity Title: Not reported  
Affiliation Address: 1435 Huntington Ave., Suite 210  
Affiliation City: South San Francisco  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94080  
Affiliation Phone: (650) 589-7722

Affiliation Type Desc: Facility Mailing Address  
Entity Name: Mailing Address  
Entity Title: Not reported  
Affiliation Address: 1435 Huntington Ave, Suite 210  
Affiliation City: South San Francisco  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94080  
Affiliation Phone: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER EXXON 7-0272 (Continued)**

**S103634581**

Affiliation Type Desc:	Identification Signer
Entity Name:	Ray Serrano
Entity Title:	Account Administration
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Wisfe Aish
Entity Title:	Not reported
Affiliation Address:	1435 Huntington Ave, Suite 210
Affiliation City:	South San Francisco
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94080
Affiliation Phone:	(650) 589-7722
Affiliation Type Desc:	Operator
Entity Name:	Wisfe Aish
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(650) 589-7722
Affiliation Type Desc:	Parent Corporation
Entity Name:	DOUBLE AA SAN PABLO
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Property Owner
Entity Name:	Double AA Corporation
Entity Title:	Not reported
Affiliation Address:	1435 Huntington Ave., Suite 210
Affiliation City:	South San Francisco
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94080
Affiliation Phone:	(650) 589-7722
Affiliation Type Desc:	UST Permit Applicant
Entity Name:	Wisfe Aish
Entity Title:	Owner
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER EXXON 7-0272 (Continued)**

**S103634581**

Affiliation Zip: Not reported  
Affiliation Phone: (650) 589-7722  
  
Affiliation Type Desc: UST Property Owner Name  
Entity Name: Double AA Corporation  
Entity Title: Not reported  
Affiliation Address: 1435 Huntington Ave, Suite 210  
Affiliation City: South San Francisco  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 94080  
Affiliation Phone: (650) 589-7722

Affiliation Type Desc: UST Tank Operator  
Entity Name: Double AA Corporation  
Entity Title: Not reported  
Affiliation Address: 1435 Huntington Ave, Suite 210  
Affiliation City: South San Francisco  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 94080  
Affiliation Phone: (650) 589-7722

Affiliation Type Desc: UST Tank Owner  
Entity Name: Double AA Corporation  
Entity Title: Not reported  
Affiliation Address: 1435 Huntington Ave, Suite 210  
Affiliation City: South San Francisco  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 94080  
Affiliation Phone: (650) 589-7722

CERS TANKS:  
Site ID: 26197  
CERS ID: 10156047  
CERS Description: Underground Storage Tank

Violations:  
Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Violation Date: 07-24-2013  
Citation: HSC 6.67 Multiple Sections - California Health and Safety Code, Chapter 6.67, Section(s) Multiple Sections  
Violation Description: Haz Waste Generator Program - Administration/Documentation - General  
Violation Notes: Returned to compliance on 08/27/2013.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: HW  
Violation Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Violation Date: 03-15-2013  
Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections  
Violation Description: UST Program - Design/Construction - General

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER EXXON 7-0272 (Continued)**

**S103634581**

Violation Notes: Returned to compliance on 05/08/2013.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Violation Date: 03-22-2018  
Citation: HSC 6.7 25290.1(c),25290.2(c),25291(a)(2),2529.1(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c),25290.2(c),25291(a)(2),2529.1(e)

Violation Description: Failure to maintain secondary containment (e.g., failure of secondary containment testing).

Violation Notes: OBSERVATION: The July 20, 2017 secondary containment test results indicate a failure at the diesel stop sump and secondary piping and 87 secondary piping. All secondary containment for the UST system must be tight. CORRECTIVE ACTION: Immediately have a properly licensed, trained, and certified contractor repair or replace the failed component(s). If component repair and/or replacement and component testing is not completed by April 20, 2018, CCHSHMP may implement penalties and/or give the facility a seven (7) day notice of intent to Reg Tag the Diesel and 87 Unleaded UST system. If the USTS are Red Tagged, they will have to be taken out of service until the repairs and/or replaces are completed.

Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Violation Date: 07-24-2013  
Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections

Violation Description: UST Program - Operations/Maintenance - General

Violation Notes: Returned to compliance on 08/27/2013.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Violation Date: 04-20-2018  
Citation: HSC 6.7 25290.1(c),25290.2(c),25291(a)(2),2529.1(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c),25290.2(c),25291(a)(2),2529.1(e)

Violation Description: Failure to maintain secondary containment (e.g., failure of secondary containment testing).

Violation Notes: OBSERVATION: Owner/Operator did not test and pass the primary and secondary containment installation testing per manufacturers guidelines. cchshmp observed the 87 and 91 ust secondary containment piping failed 5 psi for one hour test. test boot was checked for leaks and appeared to be in good condition. leak(s) may be originating from the udc's. CORRECTIVE ACTION: Test and pass the primary and secondary containment installation testing per manufacturers guidelines. Submit test results.

Violation Division: Contra Costa County Health Services Department  
Violation Program: UST

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER EXXON 7-0272 (Continued)**

**S103634581**

Violation Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Violation Date: 08-29-2017  
Citation: 23 CCR 16 2637 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637  
Violation Description: Failure to conduct secondary containment testing, or one or more of the following requirements: Perform the test within six months of installation and every 36 months thereafter. Use a procedure that demonstrates the system works as well as at installation. Use applicable manufacturer guidelines, industry codes, engineering standard, or professional engineer approval. Performed by a certified service technician or a licensed tank tester.

Violation Notes: Not reported  
Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Violation Date: 07-22-2014  
Citation: Un-Specified  
Violation Description: UST Program - Operations/Maintenance - For use of Local Ordinance only.  
Violation Notes: Returned to compliance on 07/22/2014.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Violation Date: 07-20-2017  
Citation: 23 CCR 16 2637 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637  
Violation Description: Failure to conduct secondary containment testing, or one or more of the following requirements: Perform the test within six months of installation and every 36 months thereafter. Use a procedure that demonstrates the system works as well as at installation. Use applicable manufacturer guidelines, industry codes, engineering standard, or professional engineer approval. Performed by a certified service technician or a licensed tank tester.

Violation Notes: Not reported  
Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Violation Date: 07-20-2017  
Citation: 23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)  
Violation Description: Failure of the line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: Monitor at least hourly. Be capable of detecting a release of 3.0 gallons per hour at 10 p.s.i.g. Restrict or shut off the flow of product through the piping when a leak is detected.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER EXXON 7-0272 (Continued)**

**S103634581**

Violation Notes: Returned to compliance on 08/29/2017.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Violation Date: 07-20-2015  
Citation: Un-Specified  
Violation Description: UST Program - Operations/Maintenance - For use of Local Ordinance only.

Violation Notes: Returned to compliance on 07/20/2015.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Violation Date: 03-15-2013  
Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections  
Violation Description: UST Program - Training - General  
Violation Notes: Returned to compliance on 05/08/2013.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Violation Date: 07-24-2013  
Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections  
Violation Description: UST Program - Training - General  
Violation Notes: Returned to compliance on 08/27/2013.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Violation Date: 04-20-2018  
Citation: 23 CCR 16 2638(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(d)  
Violation Description: Failure to submit the Annual Monitoring System Certification Form to the UPA within 30 days of completion of the test.  
Violation Notes: OBSERVATION: Owner/Operator did not submit the annual Monitoring System Certification Form for July 20, 2017 to the CUPA within 30 days of completion of the test. CORRECTIVE ACTION: Submit copy of the annual Monitoring System Certification to the CUPA.

Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Violation Date: 07-12-2016  
Citation: 23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23,

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER EXXON 7-0272 (Continued)**

**S103634581**

Violation Description: Chapter 16, Section(s) 2636(f)(2)  
Failure of the line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: Monitor at least hourly. Be capable of detecting a release of 3.0 gallons per hour at 10 p.s.i.g. Restrict or shut off the flow of product through the piping when a leak is detected.

Violation Notes: Returned to compliance on 08/11/2016.

Violation Division: Contra Costa County Health Services Department

Violation Program: UST

Violation Source: CERS

Site ID: 26197

Site Name: DOUBLE AA SAN PABLO

Violation Date: 07-24-2013

Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections

Violation Description: UST Program - Operations/Maintenance - General

Violation Notes: Returned to compliance on 07/24/2013.

Violation Division: Contra Costa County Health Services Department

Violation Program: UST

Violation Source: CERS

Site ID: 26197

Site Name: DOUBLE AA SAN PABLO

Violation Date: 07-20-2017

Citation: 23 CCR 16 2715(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(e)

Violation Description: Failure to maintain a copy of the designated operator monthly inspections for the last 12 months on-site or off-site at a readily available location, if approved by the UPA.

Violation Notes: Returned to compliance on 08/29/2017.

Violation Division: Contra Costa County Health Services Department

Violation Program: UST

Violation Source: CERS

Site ID: 26197

Site Name: DOUBLE AA SAN PABLO

Violation Date: 07-20-2017

Citation: 23 CCR 16 2630(d), 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2630(d), 2641(a)

Violation Description: Failure of leak detection equipment to be located such that equipment is capable of detecting a leak at the earliest possible opportunity.

Violation Notes: Returned to compliance on 07/20/2017.

Violation Division: Contra Costa County Health Services Department

Violation Program: UST

Violation Source: CERS

Site ID: 26197

Site Name: DOUBLE AA SAN PABLO

Violation Date: 07-20-2015

Citation: Un-Specified

Violation Description: UST Program - Operations/Maintenance - For use of Local Ordinance only.

Violation Notes: Returned to compliance on 08/24/2015.

Violation Division: Contra Costa County Health Services Department

Violation Program: UST

Violation Source: CERS



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER EXXON 7-0272 (Continued)**

**S103634581**

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Violation Date: 07-24-2013  
Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections  
Violation Description: UST Program - Administration/Documentation - General  
Violation Notes: Returned to compliance on 08/27/2013. US25 SEC CONTAINMENT NOT APPROVED BY STATE OF CA  
Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

Evaluation:

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 03-15-2013  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 03-22-2018  
Violations Found: Yes  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 04-20-2018  
Violations Found: Yes  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 05-08-2013  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 07-12-2016  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HMRRP  
Eval Source: CERS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER EXXON 7-0272 (Continued)**

**S103634581**

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 07-12-2016  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 07-12-2016  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 07-20-2015  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 07-20-2017  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 07-22-2014  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 07-22-2014  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 07-22-2014  
Violations Found: Yes

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER EXXON 7-0272 (Continued)**

**S103634581**

Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 07-24-2013  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 07-24-2013  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 07-24-2013  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 08-18-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 08-24-2015  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 08-27-2013  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER EXXON 7-0272 (Continued)**

**S103634581**

Eval Program: HW  
Eval Source: CERS  
  
Eval General Type: Other/Unknown  
Eval Date: 08-27-2013  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 08-29-2017  
Violations Found: Yes  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

**Enforcement Action:**

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Site Address: 16400 SAN PABLO AVE  
Site City: SAN PABLO  
Site Zip: 94806  
Enf Action Date: 03-15-2013  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported  
Enf Action Division: Contra Costa County Health Services Department  
Enf Action Program: UST  
Enf Action Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Site Address: 16400 SAN PABLO AVE  
Site City: SAN PABLO  
Site Zip: 94806  
Enf Action Date: 03-22-2018  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported  
Enf Action Division: Contra Costa County Health Services Department  
Enf Action Program: UST  
Enf Action Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Site Address: 16400 SAN PABLO AVE  
Site City: SAN PABLO  
Site Zip: 94806  
Enf Action Date: 04-20-2018  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER EXXON 7-0272 (Continued)**

**S103634581**

Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS
Site ID:	26197
Site Name:	DOUBLE AA SAN PABLO
Site Address:	16400 SAN PABLO AVE
Site City:	SAN PABLO
Site Zip:	94806
Enf Action Date:	07-12-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS
Site ID:	26197
Site Name:	DOUBLE AA SAN PABLO
Site Address:	16400 SAN PABLO AVE
Site City:	SAN PABLO
Site Zip:	94806
Enf Action Date:	07-20-2015
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS
Site ID:	26197
Site Name:	DOUBLE AA SAN PABLO
Site Address:	16400 SAN PABLO AVE
Site City:	SAN PABLO
Site Zip:	94806
Enf Action Date:	07-20-2017
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS
Site ID:	26197
Site Name:	DOUBLE AA SAN PABLO
Site Address:	16400 SAN PABLO AVE
Site City:	SAN PABLO
Site Zip:	94806
Enf Action Date:	07-22-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS
Site ID:	26197

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER EXXON 7-0272 (Continued)**

**S103634581**

Site Name: DOUBLE AA SAN PABLO  
Site Address: 16400 SAN PABLO AVE  
Site City: SAN PABLO  
Site Zip: 94806  
Enf Action Date: 07-24-2013  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported  
Enf Action Division: Contra Costa County Health Services Department  
Enf Action Program: HW  
Enf Action Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Site Address: 16400 SAN PABLO AVE  
Site City: SAN PABLO  
Site Zip: 94806  
Enf Action Date: 07-24-2013  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported  
Enf Action Division: Contra Costa County Health Services Department  
Enf Action Program: UST  
Enf Action Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Site Address: 16400 SAN PABLO AVE  
Site City: SAN PABLO  
Site Zip: 94806  
Enf Action Date: 08-29-2017  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported  
Enf Action Division: Contra Costa County Health Services Department  
Enf Action Program: UST  
Enf Action Source: CERS

Coordinates:  
Site ID: 26197  
Facility Name: DOUBLE AA SAN PABLO  
Env Int Type Code: HWG  
Program ID: 10156047  
Coord Name: Not reported  
Ref Point Type Desc: Center of a facility or station.  
Latitude: 37.999250  
Longitude: -122.322590

Affiliation:  
Affiliation Type Desc: CUPA District  
Entity Name: Contra Costa County Health Services Department  
Entity Title: Not reported  
Affiliation Address: 4585 Pacheco Blvd Suite 100  
Affiliation City: Martinez  
Affiliation State: CA  
Affiliation Country: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER EXXON 7-0272 (Continued)**

**S103634581**

Affiliation Zip: 94553  
Affiliation Phone: (925) 335-3200

Affiliation Type Desc: Document Preparer  
Entity Name: Ray Serrano  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact  
Entity Name: Wisfe Aish  
Entity Title: Not reported  
Affiliation Address: 1435 Huntington Ave., Suite 210  
Affiliation City: South San Francisco  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94080  
Affiliation Phone: (650) 589-7722

Affiliation Type Desc: Facility Mailing Address  
Entity Name: Mailing Address  
Entity Title: Not reported  
Affiliation Address: 1435 Huntington Ave, Suite 210  
Affiliation City: South San Francisco  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94080  
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer  
Entity Name: Ray Serrano  
Entity Title: Account Administration  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner  
Entity Name: Wisfe Aish  
Entity Title: Not reported  
Affiliation Address: 1435 Huntington Ave, Suite 210  
Affiliation City: South San Francisco  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 94080  
Affiliation Phone: (650) 589-7722

Affiliation Type Desc: Operator  
Entity Name: Wisfe Aish  
Entity Title: Not reported  
Affiliation Address: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER EXXON 7-0272 (Continued)**

**S103634581**

Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: (650) 589-7722

Affiliation Type Desc: Parent Corporation  
Entity Name: DOUBLE AA SAN PABLO  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner  
Entity Name: Double AA Corporation  
Entity Title: Not reported  
Affiliation Address: 1435 Huntington Ave., Suite 210  
Affiliation City: South San Francisco  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 94080  
Affiliation Phone: (650) 589-7722

Affiliation Type Desc: UST Permit Applicant  
Entity Name: Wisfe Aish  
Entity Title: Owner  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: (650) 589-7722

Affiliation Type Desc: UST Property Owner Name  
Entity Name: Double AA Corporation  
Entity Title: Not reported  
Affiliation Address: 1435 Huntington Ave, Suite 210  
Affiliation City: South San Francisco  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 94080  
Affiliation Phone: (650) 589-7722

Affiliation Type Desc: UST Tank Operator  
Entity Name: Double AA Corporation  
Entity Title: Not reported  
Affiliation Address: 1435 Huntington Ave, Suite 210  
Affiliation City: South San Francisco  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 94080  
Affiliation Phone: (650) 589-7722

Affiliation Type Desc: UST Tank Owner

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER EXXON 7-0272 (Continued)**

**S103634581**

Entity Name: Double AA Corporation  
Entity Title: Not reported  
Affiliation Address: 1435 Huntington Ave, Suite 210  
Affiliation City: South San Francisco  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 94080  
Affiliation Phone: (650) 589-7722

**CERS TANKS:**

Site ID: 26197  
CERS ID: 10156047  
CERS Description: Chemical Storage Facilities

**Violations:**

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Violation Date: 07-24-2013  
Citation: HSC 6.67 Multiple Sections - California Health and Safety Code, Chapter 6.67, Section(s) Multiple Sections  
Violation Description: Haz Waste Generator Program - Administration/Documentation - General  
Violation Notes: Returned to compliance on 08/27/2013.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: HW  
Violation Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Violation Date: 03-15-2013  
Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections  
Violation Description: UST Program - Design/Construction - General  
Violation Notes: Returned to compliance on 05/08/2013.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Violation Date: 03-22-2018  
Citation: HSC 6.7 25290.1(c),25290.2(c),25291(a)(2),2529.1(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c),25290.2(c),25291(a)(2),2529.1(e)  
Violation Description: Failure to maintain secondary containment (e.g., failure of secondary containment testing).  
Violation Notes: OBSERVATION: The July 20, 2017 secondary containment test results indicate a failure at the diesel stop sump and secondary piping and 87 secondary piping. All secondary containment for the UST system must be tight. CORRECTIVE ACTION: Immediately have a properly licensed, trained, and certified contractor repair or replace the failed component(s). If component repair and/or replacement and component testing is not completed by April 20, 2018, CCHSHMP may implement penalties and/or give the facility a seven (7) day notice of intent to Reg Tag the Diesel and 87 Unleaded UST system. If the USTs are Red Tagged, they will have to be taken out of service until the repairs and/or replaces are completed.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER EXXON 7-0272 (Continued)**

**S103634581**

Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Violation Date: 07-24-2013  
Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections

Violation Description: UST Program - Operations/Maintenance - General  
Violation Notes: Returned to compliance on 08/27/2013.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Violation Date: 04-20-2018  
Citation: HSC 6.7 25290.1(c),25290.2(c),25291(a)(2),2529.1(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c),25290.2(c),25291(a)(2),2529.1(e)  
Violation Description: Failure to maintain secondary containment (e.g., failure of secondary containment testing).

Violation Notes: OBSERVATION: Owner/Operator did not test and pass the primary and secondary containment installation testing per manufacturers guidelines. cchshmp observed the 87 and 91 ust secondary containment piping failed 5 psi for one hour test. test boot was checked for leaks and appeared to be in good condition. leak(s) may be originating from the udcs. CORRECTIVE ACTION: Test and pass the primary and secondary containment installation testing per manufacturers guidelines. Submit test results.

Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Violation Date: 08-29-2017  
Citation: 23 CCR 16 2637 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637

Violation Description: Failure to conduct secondary containment testing, or one or more of the following requirements: Perform the test within six months of installation and every 36 months thereafter. Use a procedure that demonstrates the system works as well as at installation. Use applicable manufacturer guidelines, industry codes, engineering standard, or professional engineer approval. Performed by a certified service technician or a licensed tank tester.

Violation Notes: Not reported  
Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Violation Date: 07-22-2014  
Citation: Un-Specified  
Violation Description: UST Program - Operations/Maintenance - For use of Local Ordinance

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER EXXON 7-0272 (Continued)**

**S103634581**

only.  
Returned to compliance on 07/22/2014.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Violation Date: 07-20-2017  
Citation: 23 CCR 16 2637 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637  
Violation Description: Failure to conduct secondary containment testing, or one or more of the following requirements: Perform the test within six months of installation and every 36 months thereafter. Use a procedure that demonstrates the system works as well as at installation. Use applicable manufacturer guidelines, industry codes, engineering standard, or professional engineer approval. Performed by a certified service technician or a licensed tank tester.

Violation Notes: Not reported  
Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Violation Date: 07-20-2017  
Citation: 23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)  
Violation Description: Failure of the line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: Monitor at least hourly. Be capable of detecting a release of 3.0 gallons per hour at 10 p.s.i.g. Restrict or shut off the flow of product through the piping when a leak is detected.

Violation Notes: Returned to compliance on 08/29/2017.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Violation Date: 07-20-2015  
Citation: Un-Specified  
Violation Description: UST Program - Operations/Maintenance - For use of Local Ordinance only.  
Returned to compliance on 07/20/2015.

Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Violation Date: 03-15-2013  
Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections  
Violation Description: UST Program - Training - General  
Violation Notes: Returned to compliance on 05/08/2013.  
Violation Division: Contra Costa County Health Services Department

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER EXXON 7-0272 (Continued)**

**S103634581**

Violation Program: UST  
Violation Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Violation Date: 07-24-2013  
Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections  
Violation Description: UST Program - Training - General  
Violation Notes: Returned to compliance on 08/27/2013.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Violation Date: 04-20-2018  
Citation: 23 CCR 16 2638(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(d)  
Violation Description: Failure to submit the Annual Monitoring System Certification Form to the UPA within 30 days of completion of the test.  
Violation Notes: OBSERVATION: Owner/Operator did not submit the annual Monitoring System Certification Form for July 20, 2017 to the CUPA within 30 days of completion of the test. CORRECTIVE ACTION: Submit copy of the annual Monitoring System Certification to the CUPA.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Violation Date: 07-12-2016  
Citation: 23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)  
Violation Description: Failure of the line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: Monitor at least hourly. Be capable of detecting a release of 3.0 gallons per hour at 10 p.s.i.g. Restrict or shut off the flow of product through the piping when a leak is detected.  
Violation Notes: Returned to compliance on 08/11/2016.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Violation Date: 07-24-2013  
Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections  
Violation Description: UST Program - Operations/Maintenance - General  
Violation Notes: Returned to compliance on 07/24/2013.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER EXXON 7-0272 (Continued)**

**S103634581**

Violation Date: 07-20-2017  
Citation: 23 CCR 16 2715(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(e)  
Violation Description: Failure to maintain a copy of the designated operator monthly inspections for the last 12 months on-site or off-site at a readily available location, if approved by the UPA.  
Violation Notes: Returned to compliance on 08/29/2017.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Violation Date: 07-20-2017  
Citation: 23 CCR 16 2630(d), 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2630(d), 2641(a)  
Violation Description: Failure of leak detection equipment to be located such that equipment is capable of detecting a leak at the earliest possible opportunity.  
Violation Notes: Returned to compliance on 07/20/2017.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Violation Date: 07-20-2015  
Citation: Un-Specified  
Violation Description: UST Program - Operations/Maintenance - For use of Local Ordinance only.  
Violation Notes: Returned to compliance on 08/24/2015.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Violation Date: 07-24-2013  
Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections  
Violation Description: UST Program - Administration/Documentation - General  
Violation Notes: Returned to compliance on 08/27/2013. US25 SEC CONTAINMENT NOT APPROVED BY STATE OF CA  
Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

Evaluation:  
Eval General Type: Compliance Evaluation Inspection  
Eval Date: 03-15-2013  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER EXXON 7-0272 (Continued)**

**S103634581**

Eval Date: 03-22-2018  
Violations Found: Yes  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 04-20-2018  
Violations Found: Yes  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 05-08-2013  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 07-12-2016  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 07-12-2016  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 07-12-2016  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 07-20-2015  
Violations Found: Yes  
Eval Type: Routine done by local agency



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER EXXON 7-0272 (Continued)**

**S103634581**

Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 07-20-2017  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 07-22-2014  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 07-22-2014  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 07-22-2014  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 07-24-2013  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 07-24-2013  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HW

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER EXXON 7-0272 (Continued)**

**S103634581**

Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-24-2013
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	08-18-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	08-24-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	08-27-2013
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	08-27-2013
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	08-29-2017
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER EXXON 7-0272 (Continued)**

**S103634581**

Enforcement Action:

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Site Address: 16400 SAN PABLO AVE  
Site City: SAN PABLO  
Site Zip: 94806  
Enf Action Date: 03-15-2013  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported  
Enf Action Division: Contra Costa County Health Services Department  
Enf Action Program: UST  
Enf Action Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Site Address: 16400 SAN PABLO AVE  
Site City: SAN PABLO  
Site Zip: 94806  
Enf Action Date: 03-22-2018  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported  
Enf Action Division: Contra Costa County Health Services Department  
Enf Action Program: UST  
Enf Action Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Site Address: 16400 SAN PABLO AVE  
Site City: SAN PABLO  
Site Zip: 94806  
Enf Action Date: 04-20-2018  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported  
Enf Action Division: Contra Costa County Health Services Department  
Enf Action Program: UST  
Enf Action Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Site Address: 16400 SAN PABLO AVE  
Site City: SAN PABLO  
Site Zip: 94806  
Enf Action Date: 07-12-2016  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported  
Enf Action Division: Contra Costa County Health Services Department  
Enf Action Program: UST  
Enf Action Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Site Address: 16400 SAN PABLO AVE  
Site City: SAN PABLO

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER EXXON 7-0272 (Continued)**

**S103634581**

Site Zip: 94806  
Enf Action Date: 07-20-2015  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported  
Enf Action Division: Contra Costa County Health Services Department  
Enf Action Program: UST  
Enf Action Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Site Address: 16400 SAN PABLO AVE  
Site City: SAN PABLO  
Site Zip: 94806  
Enf Action Date: 07-20-2017  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported  
Enf Action Division: Contra Costa County Health Services Department  
Enf Action Program: UST  
Enf Action Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Site Address: 16400 SAN PABLO AVE  
Site City: SAN PABLO  
Site Zip: 94806  
Enf Action Date: 07-22-2014  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported  
Enf Action Division: Contra Costa County Health Services Department  
Enf Action Program: UST  
Enf Action Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Site Address: 16400 SAN PABLO AVE  
Site City: SAN PABLO  
Site Zip: 94806  
Enf Action Date: 07-24-2013  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported  
Enf Action Division: Contra Costa County Health Services Department  
Enf Action Program: HW  
Enf Action Source: CERS

Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Site Address: 16400 SAN PABLO AVE  
Site City: SAN PABLO  
Site Zip: 94806  
Enf Action Date: 07-24-2013  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER EXXON 7-0272 (Continued)**

**S103634581**

Enf Action Division: Contra Costa County Health Services Department  
Enf Action Program: UST  
Enf Action Source: CERS  
  
Site ID: 26197  
Site Name: DOUBLE AA SAN PABLO  
Site Address: 16400 SAN PABLO AVE  
Site City: SAN PABLO  
Site Zip: 94806  
Enf Action Date: 08-29-2017  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported  
Enf Action Division: Contra Costa County Health Services Department  
Enf Action Program: UST  
Enf Action Source: CERS

Coordinates:  
Site ID: 26197  
Facility Name: DOUBLE AA SAN PABLO  
Env Int Type Code: HWG  
Program ID: 10156047  
Coord Name: Not reported  
Ref Point Type Desc: Center of a facility or station.  
Latitude: 37.999250  
Longitude: -122.322590

Affiliation:  
Affiliation Type Desc: CUPA District  
Entity Name: Contra Costa County Health Services Department  
Entity Title: Not reported  
Affiliation Address: 4585 Pacheco Blvd Suite 100  
Affiliation City: Martinez  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94553  
Affiliation Phone: (925) 335-3200

Affiliation Type Desc: Document Preparer  
Entity Name: Ray Serrano  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact  
Entity Name: Wisfe Aish  
Entity Title: Not reported  
Affiliation Address: 1435 Huntington Ave., Suite 210  
Affiliation City: South San Francisco  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94080

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER EXXON 7-0272 (Continued)**

**S103634581**

Affiliation Phone:	(650) 589-7722
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1435 Huntington Ave, Suite 210
Affiliation City:	South San Francisco
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94080
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Ray Serrano
Entity Title:	Account Administration
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Wisfe Aish
Entity Title:	Not reported
Affiliation Address:	1435 Huntington Ave, Suite 210
Affiliation City:	South San Francisco
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94080
Affiliation Phone:	(650) 589-7722
Affiliation Type Desc:	Operator
Entity Name:	Wisfe Aish
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(650) 589-7722
Affiliation Type Desc:	Parent Corporation
Entity Name:	DOUBLE AA SAN PABLO
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Property Owner
Entity Name:	Double AA Corporation
Entity Title:	Not reported
Affiliation Address:	1435 Huntington Ave., Suite 210
Affiliation City:	South San Francisco

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER EXXON 7-0272 (Continued)**

**S103634581**

Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 94080  
Affiliation Phone: (650) 589-7722

Affiliation Type Desc: UST Permit Applicant  
Entity Name: Wisfe Aish  
Entity Title: Owner  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: (650) 589-7722

Affiliation Type Desc: UST Property Owner Name  
Entity Name: Double AA Corporation  
Entity Title: Not reported  
Affiliation Address: 1435 Huntington Ave, Suite 210  
Affiliation City: South San Francisco  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 94080  
Affiliation Phone: (650) 589-7722

Affiliation Type Desc: UST Tank Operator  
Entity Name: Double AA Corporation  
Entity Title: Not reported  
Affiliation Address: 1435 Huntington Ave, Suite 210  
Affiliation City: South San Francisco  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 94080  
Affiliation Phone: (650) 589-7722

Affiliation Type Desc: UST Tank Owner  
Entity Name: Double AA Corporation  
Entity Title: Not reported  
Affiliation Address: 1435 Huntington Ave, Suite 210  
Affiliation City: South San Francisco  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 94080  
Affiliation Phone: (650) 589-7722

Site ID: 220001  
CERS ID: T0601300305  
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:  
Affiliation Type Desc: Local Agency Caseworker  
Entity Name: SUE LOYD - CONTRA COSTA COUNTY  
Entity Title: Not reported  
Affiliation Address: 4333 PACHECO BLVD.  
Affiliation City: MARTINEZ  
Affiliation State: CA  
Affiliation Country: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER EXXON 7-0272 (Continued)**

**S103634581**

Affiliation Zip: Not reported  
Affiliation Phone: Not reported  
  
Affiliation Type Desc: Regional Board Caseworker  
Entity Name: BARBARA SIEMINSKI - SAN FRANCISCO BAY RWQCB (REGION 2)  
Entity Title: Not reported  
Affiliation Address: 1515 CLAY STREET, SUITE 1400  
Affiliation City: OAKLAND  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

**C11**  
**NNW**  
**1/4-1/2**  
**0.297 mi.**  
**1568 ft.**

**FORMER EXXON 7-0272**  
**16400 SAN PABLO AVE**  
**SAN PABLO, CA 94806**  
  
**Site 2 of 2 in cluster C**

**LUST** **S102429575**  
**N/A**

**Relative:** LUST REG 2:  
**Lower** Region: 2  
Facility Id: 07-0326  
**Actual:** Facility Status: Case Closed  
**28 ft.** Case Number: 16124  
How Discovered: TC,  
Leak Cause: UNK  
Leak Source: UNK  
Date Leak Confirmed: Not reported  
Oversight Program: LUST  
Prelim. Site Assessment Workplan Submitted: Not reported  
Preliminary Site Assessment Began: 11/30/1986  
Pollution Characterization Began: 8/3/1994  
Pollution Remediation Plan Submitted: Not reported  
Date Remediation Action Underway: Not reported  
Date Post Remedial Action Monitoring Began: Not reported

**12**  
**NNE**  
**1/4-1/2**  
**0.363 mi.**  
**1918 ft.**

**MORGAN, JAMES & BARBARA D**  
**2452 O HATCH**  
**SAN PABLO, CA 94806**

**HIST CORTESE** **S105026364**  
**N/A**

**Relative:** HIST CORTESE:  
**Lower** Region: CORTESE  
Facility County Code: 18  
**Actual:** Reg By: WBC&D  
**29 ft.** Reg Id: 6A189102N63

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

13  
SW  
1/4-1/2  
0.381 mi.  
2012 ft.

**CHEVRON LAND AND DEV CO ROBERTSON HOMES  
UNKNOWN GARRITY CREEK & ATLAS SOUTH OF  
RICHMOND, CA 94806**

**CPS-SLIC  
CERS**

**S106234912  
N/A**

**Relative:  
Lower**

**Actual:  
48 ft.**

CPS-SLIC:

Region:

STATE

**Facility Status:**

**Open - Verification Monitoring**

Status Date:

07/01/2015

Global Id:

SLT2O236332

Lead Agency:

SAN FRANCISCO BAY RWQCB (REGION 2)

Lead Agency Case Number:

Not reported

Latitude:

37.9893646407588

Longitude:

-122.327055931091

Case Type:

Cleanup Program Site

Case Worker:

REL

Local Agency:

Not reported

RB Case Number:

2020151

File Location:

Regional Board

Potential Media Affected:

Other Groundwater (uses other than drinking water), Soil, Surface water

Potential Contaminants of Concern: Arsenic, Other Metal, Crude Oil, Gasoline

Site History:

This site used to be a tank farm area. from about 1910 to 1980.

[Click here to access the California GeoTracker records for this facility:](#)

SLIC REG 2:

Region:

2

Facility ID:

07S0020

Facility Status:

Leak being confirmed

Date Closed:

Not reported

Local Case #:

Not reported

How Discovered:

Not reported

Leak Cause:

Not reported

Leak Source:

Not reported

Date Confirmed:

Not reported

Date Prelim Site Assmnt Workplan Submitted:

Not reported

Date Preliminary Site Assessment Began:

Not reported

Date Pollution Characterization Began:

Not reported

Date Remediation Plan Submitted:

Not reported

Date Remedial Action Underway:

Not reported

Date Post Remedial Action Monitoring Began:

Not reported

CERS TANKS:

Site ID:

250363

CERS ID:

SLT2O236332

CERS Description:

Cleanup Program Site

Affiliation:

Affiliation Type Desc:

Regional Board Caseworker

Entity Name:

RALPH LAMBERT - SAN FRANCISCO BAY RWQCB (REGION 2)

Entity Title:

Not reported

Affiliation Address:

1515 CLAY ST. SUITE 1500

Affiliation City:

OAKLAND

Affiliation State:

CA

Affiliation Country:

Not reported

Affiliation Zip:

Not reported

Affiliation Phone:

Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**14**  
**SW**  
**1/4-1/2**  
**0.412 mi.**  
**2178 ft.**

**YMCA OF THE EAST BAY**  
**4300 LAKESIDE DR**  
**RICHMOND, CA 94806**

**ENF**  
**HIST CORTESE**  
**CONTRA COSTA CO. SITE LIST**  
**CERS**

**S102262254**  
**N/A**

**Relative:**  
**Lower**

**Actual:**  
**100 ft.**

ENF:

Region:	2
Facility Id:	274090
Agency Name:	YMCA Hilltop
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	Not reported
# Of Programs:	1
WDID:	2 07-0692
Reg Measure Id:	167664
Reg Measure Type:	Unregulated
Region:	2
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**YMCA OF THE EAST BAY (Continued)**

**S102262254**

Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	237620
Region:	2
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	04/11/2001
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 2 07-0692
Description:	Not reported
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0

**HIST CORTESE:**

Region:	CORTESE
Facility County Code:	7
Reg By:	LTNKA
Reg Id:	07-0692

**CONTRA COSTA CO. SITE LIST:**

Facility ID:	FA0030063
Billing Status:	ACTIVE, BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HMBP: 1K-10K LBS, 20+ EMPLOYEES
Region:	CONTRA COSTA
Cupa Number:	773393

**CERS TANKS:**

Site ID:	86870
CERS ID:	10017904
CERS Description:	Chemical Storage Facilities

**Evaluation:**

Eval General Type:	Compliance Evaluation Inspection
--------------------	----------------------------------

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**YMCA OF THE EAST BAY (Continued)**

**S102262254**

Eval Date: 03-27-2017  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 08-16-2013  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HMRRP  
Eval Source: CERS

Coordinates:  
Site ID: 86870  
Facility Name: YMCA OF THE EAST BAY  
Env Int Type Code: HMBP  
Program ID: 10017904  
Coord Name: Not reported  
Ref Point Type Desc: Unknown  
Latitude: 37.988595  
Longitude: -122.329510

Affiliation:  
Affiliation Type Desc: CUPA District  
Entity Name: Contra Costa County Health Services Department  
Entity Title: Not reported  
Affiliation Address: 4585 Pacheco Blvd Suite 100  
Affiliation City: Martinez  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94553  
Affiliation Phone: (925) 335-3200

Affiliation Type Desc: Document Preparer  
Entity Name: SAMSON S. CHAO  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact  
Entity Name: SAM CHAO  
Entity Title: Not reported  
Affiliation Address: 4300 LAKESIDE DR  
Affiliation City: RICHMOND  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94806

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**YMCA OF THE EAST BAY (Continued)**

**S102262254**

Affiliation Phone:	(510) 662-3245
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	4300 LAKESIDE DRIVE
Affiliation City:	RICHMOND
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94806
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	SAM CHAO
Entity Title:	BUILDING SUPERVISOR
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	YMCA OF THE EAST BAY
Entity Title:	Not reported
Affiliation Address:	4300 LAKESIDE DRIVE
Affiliation City:	RICHMOND
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94806
Affiliation Phone:	(510) 222-9622
Affiliation Type Desc:	Operator
Entity Name:	YMCA OF THE EAST BAY
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(510) 662-3245
Affiliation Type Desc:	Parent Corporation
Entity Name:	YMCA OF THE EAST BAY
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Property Owner
Entity Name:	YMCA OF THE EAST BAY
Entity Title:	Not reported
Affiliation Address:	4300 LAKESIDE DRIVE
Affiliation City:	RICHMOND

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**YMCA OF THE EAST BAY (Continued)**

**S102262254**

Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 94806  
Affiliation Phone: (510) 222-9622

**15  
SW  
1/2-1  
0.676 mi.  
3570 ft.**

**CA AUTISM FOUND., A BETTER CHANCE DAY CA  
4075 LAKESIDE DR  
RICHMOND, CA 94806**

**ENVIROSTOR S118757490  
N/A**

**Relative:  
Higher**

**ENVIROSTOR:**

**Actual:  
169 ft.**

Facility ID: 7830004  
Status: No Action Required  
Status Date: 03/03/1995  
Site Code: 200620  
Site Type: Calmortgage  
Site Type Detailed: Calmortgage  
Acres: 0  
NPL: NO  
Regulatory Agencies: SMBRP  
Lead Agency: SMBRP  
Program Manager: Sandra Karinen  
Supervisor: William Beckman  
Division Branch: Cleanup Sacramento  
Assembly: 15  
Senate: 09  
Special Program: Not reported  
Restricted Use: NO  
Site Mgmt Req: NONE SPECIFIED  
Funding: CalMortgage  
Latitude: 37.98791  
Longitude: -122.3332  
APN: NONE SPECIFIED  
Past Use: NONE  
Potential COC: NONE SPECIFIED No Contaminants found  
Confirmed COC: No Contaminants found  
Potential Description: NMA  
Alias Name: Not reported  
Alias Type: Not reported

**Completed Info:**

Completed Area Name: Not reported  
Completed Sub Area Name: Not reported  
Completed Document Type: Not reported  
Completed Date: Not reported  
Comments: Not reported

Future Area Name: Not reported  
Future Sub Area Name: Not reported  
Future Document Type: Not reported  
Future Due Date: Not reported  
Schedule Area Name: Not reported  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Not reported  
Schedule Due Date: Not reported  
Schedule Revised Date: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

16  
West  
1/2-1  
0.715 mi.  
3775 ft.

**MONTALVIN MANOR**  
**CHRISTINE DR.**  
**SAN PABLO, CA 94806**

**ENVIROSTOR**

**S116165408**  
**N/A**

**Relative:**  
**Lower**

**Actual:**  
**66 ft.**

**ENVIROSTOR:**

Facility ID: 7330017  
Status: No Further Action  
Status Date: 03/01/1982  
Site Code: Not reported  
Site Type: Historical  
Site Type Detailed: \* Historical  
Acres: Not reported  
NPL: NO  
Regulatory Agencies: NONE SPECIFIED  
Lead Agency: NONE SPECIFIED  
Program Manager: Not reported  
Supervisor: Not reported  
Division Branch: Cleanup Berkeley  
Assembly: 15  
Senate: 09  
Special Program: Not reported  
Restricted Use: NO  
Site Mgmt Req: NONE SPECIFIED  
Funding: Not reported  
Latitude: 37.99583  
Longitude: -122.3354  
APN: NONE SPECIFIED  
Past Use: NONE SPECIFIED  
Potential COC: NONE SPECIFIED  
Confirmed COC: NONE SPECIFIED  
Potential Description: NONE SPECIFIED  
Alias Name: Not reported  
Alias Type: Not reported

**Completed Info:**

Completed Area Name: Not reported  
Completed Sub Area Name: Not reported  
Completed Document Type: Not reported  
Completed Date: Not reported  
Comments: Not reported

Future Area Name: Not reported  
Future Sub Area Name: Not reported  
Future Document Type: Not reported  
Future Due Date: Not reported  
Schedule Area Name: Not reported  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Not reported  
Schedule Due Date: Not reported  
Schedule Revised Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

17  
WSW  
1/2-1  
0.762 mi.  
4025 ft.

**CHEVRON HILLTOP WEST PROJECT**  
**ATLAS ROAD AND SAN PABLO AVENUE**  
**SAN PABLO, CA 94806**

**ENVIROSTOR** **S116165400**  
**N/A**

**Relative:**  
**Lower**

ENVIROSTOR:

**Actual:**  
**93 ft.**

Facility ID: 7290028  
Status: Refer: RWQCB  
Status Date: 06/18/1991  
Site Code: Not reported  
Site Type: Historical  
Site Type Detailed: \* Historical  
Acres: Not reported  
NPL: NO  
Regulatory Agencies: NONE SPECIFIED  
Lead Agency: NONE SPECIFIED  
Program Manager: Not reported  
Supervisor: Referred - Not Assigned  
Division Branch: Cleanup Berkeley  
Assembly: Not reported  
Senate: Not reported  
Special Program: Not reported  
Restricted Use: NO  
Site Mgmt Req: NONE SPECIFIED  
Funding: Not reported  
Latitude: 37.99109  
Longitude: -122.3362  
APN: NONE SPECIFIED  
Past Use: NONE SPECIFIED  
Potential COC: \* HYDROCARBON SOLVENTS \* OIL/WATER SEPARATION SLUDGE \* TANK BOTTOM  
WASTES \* UNSPECIFIED OIL CONTAINING WASTE \* UNSPECIFIED SLUDGE WASTE  
\* WASTE OIL & MIXED OIL Lead Polychlorinated biphenyls (PCBs)  
  
Confirmed COC: NONE SPECIFIED  
Potential Description: NONE SPECIFIED  
Alias Name: Not reported  
Alias Type: Not reported

Completed Info:

Completed Area Name: Not reported  
Completed Sub Area Name: Not reported  
Completed Document Type: Not reported  
Completed Date: Not reported  
Comments: Not reported

Future Area Name: Not reported  
Future Sub Area Name: Not reported  
Future Document Type: Not reported  
Future Due Date: Not reported  
Schedule Area Name: Not reported  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Not reported  
Schedule Due Date: Not reported  
Schedule Revised Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

18  
West  
1/2-1  
0.805 mi.  
4250 ft.

Relative:  
Lower

Actual:  
40 ft.

**UNITED PARCEL SERVICE**  
**1601 ATLAS ROAD**  
**RICHMOND, CA 94806**

**ENVIROSTOR** **S112950867**  
**AST** **N/A**  
**HAZNET**  
**NPDES**  
**CONTRA COSTA CO. SITE LIST**  
**CERS TANKS**  
**CERS HAZ WASTE**  
**CERS**

ENVIROSTOR:

Facility ID: 7330012  
Status: Refer: RWQCB  
Status Date: 07/21/1981  
Site Code: Not reported  
Site Type: Historical  
Site Type Detailed: \* Historical  
Acres: Not reported  
NPL: NO  
Regulatory Agencies: NONE SPECIFIED  
Lead Agency: NONE SPECIFIED  
Program Manager: Not reported  
Supervisor: Referred - Not Assigned  
Division Branch: Cleanup Berkeley  
Assembly: 15  
Senate: 09  
Special Program: Not reported  
Restricted Use: NO  
Site Mgmt Req: NONE SPECIFIED  
Funding: Not reported  
Latitude: 37.99647  
Longitude: -122.3416  
APN: 405270011  
Past Use: NONE SPECIFIED  
Potential COC: \* UNSPECIFIED ACID SOLUTION  
Confirmed COC: NONE SPECIFIED  
Potential Description: NONE SPECIFIED  
Alias Name: Not reported  
Alias Type: Not reported

Completed Info:

Completed Area Name: Not reported  
Completed Sub Area Name: Not reported  
Completed Document Type: Not reported  
Completed Date: Not reported  
Comments: Not reported

Future Area Name: Not reported  
Future Sub Area Name: Not reported  
Future Document Type: Not reported  
Future Due Date: Not reported  
Schedule Area Name: Not reported  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Not reported  
Schedule Due Date: Not reported  
Schedule Revised Date: Not reported

AST:

Certified Unified Program Agencies: Not reported  
Owner: United Parcel Service, Inc. an Ohio Corporation

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**S112950867**

Total Gallons: Not reported  
CERSID: 10156177  
Facility ID: 07-000-719474  
Business Name: United Parcel Service, Inc.  
Phone: 510-262-2314  
Fax: 510-262-2310  
Mailing Address: 8400 Pardee Drive, Attn: Plant Engineering  
Mailing Address City: Oakland  
Mailing Address State: CA  
Mailing Address Zip Code: 94621  
Operator Name: United Parcel Service, Inc. an Ohio Corporation  
Operator Phone: 510-453-2090  
Owner Phone: 510-453-2090  
Owner Mail Address: 55 Glenlake Parkway, NE  
Owner State: GA  
Owner Zip Code: 30328  
Owner Country: United States  
Property Owner Name: United Parcel Service, Inc. an Ohio Corporation  
Property Owner Phone: 510-453-2090  
Property Owner Mailing Address: 55 Glenlake Parkway  
Property Owner City: Atlanta  
Property Owner Stat : GA  
Property Owner Zip Code: 30328  
Property Owner Country: United States  
EPAID: CAD982490120

**HAZNET:**

envid: S112950867  
Year: 2013  
GEPAID: CAC002744830  
Contact: BILL GRANT  
Telephone: 5623215373  
Mailing Name: Not reported  
Mailing Address: 9937 TABOR PL  
Mailing City,St,Zip: SANTA FE SPRINGS, CA 906703300  
Gen County: Contra Costa  
TSD EPA ID: CAD059494310  
TSD County: Santa Clara  
Waste Category: Not reported  
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery  
(H010-H129) Or (H131-H135)  
Tons: 2.75  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Not reported

envid: S112950867  
Year: 2006  
GEPAID: CAC002599446  
Contact: LINUS SCHLUMPBERGER  
Telephone: 5107587895  
Mailing Name: Not reported  
Mailing Address: 1601 ATLAS RD  
Mailing City,St,Zip: RICHMOND, CA 940860000  
Gen County: Not reported  
TSD EPA ID: CAD028409019  
TSD County: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**S112950867**

Waste Category: Off-specification, aged or surplus organics  
Disposal Method: Transfer Station  
Tons: 20  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Contra Costa

**NPDES:**

Facility Status: Not reported  
NPDES Number: Not reported  
Region: Not reported  
Agency Number: Not reported  
Regulatory Measure ID: Not reported  
Place ID: Not reported  
Order Number: Not reported  
WDID: 2 07C368401  
Regulatory Measure Type: Construction  
Program Type: Not reported  
Adoption Date Of Regulatory Measure: Not reported  
Effective Date Of Regulatory Measure: Not reported  
Termination Date Of Regulatory Measure: Not reported  
Expiration Date Of Regulatory Measure: Not reported  
Discharge Address: Not reported  
Discharge Name: Not reported  
Discharge City: Not reported  
Discharge State: Not reported  
Discharge Zip: Not reported  
Status: Terminated  
Status Date: 12/05/2014  
Operator Name: United Parcel Service  
Operator Address: 1601 ATLAS ROAD  
Operator City: SAN PABLO  
Operator State: California  
Operator Zip: 94806

**NPDES as of 03/2018:**

NPDES Number: Not reported  
Status: Not reported  
Agency Number: Not reported  
Region: 2  
Regulatory Measure ID: 442693  
Order Number: Not reported  
Regulatory Measure Type: Construction  
Place ID: Not reported  
WDID: 2 07C368401  
Program Type: Not reported  
Adoption Date Of Regulatory Measure: Not reported  
Effective Date Of Regulatory Measure: Not reported  
Expiration Date Of Regulatory Measure: Not reported  
Termination Date Of Regulatory Measure: 10/31/2014  
Discharge Name: Not reported  
Discharge Address: Not reported  
Discharge City: Not reported  
Discharge State: Not reported  
Discharge Zip: Not reported  
Received Date: 11/19/2013  
Processed Date: 12/05/2013

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**S112950867**

Status:	Terminated
Status Date:	12/05/2014
Place Size:	63.3
Place Size Unit:	Acres
Contact:	Crystal Lassiter
Contact Title:	Owner's Representative
Contact Phone:	214-263-8611
Contact Phone Ext:	Not reported
Contact Email:	gdurkee@ups.com
Operator Name:	United Parcel Service
Operator Address:	1601 ATLAS ROAD
Operator City:	SAN PABLO
Operator State:	California
Operator Zip:	94806
Operator Contact:	Crystal Lassiter
Operator Contact Title:	Owner's Representative
Operator Contact Phone:	214-263-8611
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	classiter@ups.com
Operator Type:	Private Business
Developer:	United Parcel Service
Developer Address:	1601 ATLAS ROAD
Developer City:	RICHMOND
Developer State:	California
Developer Zip:	94806
Developer Contact:	Crystal Lassiter
Developer Contact Title:	Owner's Representative
Constype Linear Utility Ind:	N
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	N
Constype Below Ground Ind:	N
Constype Cable Line Ind:	N
Constype Comm Line Ind:	N
Constype Commercial Ind:	N
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	N
Constype Other Description:	Paving of parking area for staging the parking of semi-trailers
Constype Other Ind:	Y
Constype Recons Ind:	N
Constype Residential Ind:	N
Constype Transport Ind:	N
Constype Utility Description:	Not reported
Constype Utility Ind:	N
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	N
Receiving Water Name:	San Pablo Bay
Certifier:	Crystal Lassiter
Certifier Title:	Plant Engineering Manager
Certification Date:	21-MAY-14
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**S112950867**

**CONTRA COSTA CO. SITE LIST:**

Facility ID: FA0031884  
Billing Status: ACTIVE, BILLABLE  
Program Status: CONTRA COSTA CO. SITE LIST  
Program/Elements: APSA: <10K GALLONS  
Region: CONTRA COSTA  
Cupa Number: 719474

Facility ID: FA0031884  
Billing Status: ACTIVE, BILLABLE  
Program Status: CONTRA COSTA CO. SITE LIST  
Program/Elements: HMBP: >250K-500K LBS, 20+ EMPLOYEES  
Region: CONTRA COSTA  
Cupa Number: 719474

Facility ID: FA0031884  
Billing Status: ACTIVE, BILLABLE  
Program Status: CONTRA COSTA CO. SITE LIST  
Program/Elements: HWG: 12 - <25 TONS/YEAR  
Region: CONTRA COSTA  
Cupa Number: 719474

Facility ID: FA0031884  
Billing Status: ACTIVE, BILLABLE  
Program Status: CONTRA COSTA CO. SITE LIST  
Program/Elements: UNDERGROUND STORAGE TANK SITE  
Region: CONTRA COSTA  
Cupa Number: 719474

**CERS TANKS:**

Site ID: 405083  
CERS ID: 10156177  
CERS Description: Aboveground Petroleum Storage

**Violations:**

Site ID: 405083  
Site Name: UPS - Richmond  
Violation Date: 06-02-2016  
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections  
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General  
Violation Notes: Returned to compliance on 08/03/2016.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: HW  
Violation Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Violation Date: 04-06-2016  
Citation: HSC 6.67 Multiple Sections - California Health and Safety Code, Chapter 6.67, Section(s) Multiple Sections  
Violation Description: APSA Program - Release/Leaks/Spills - General  
Violation Notes: Returned to compliance on 06/27/2016.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: APSA  
Violation Source: CERS



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**S112950867**

Site ID: 405083  
Site Name: UPS - Richmond  
Violation Date: 06-18-2018  
Citation: 22 CCR 15 66265.195(c) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.195(c)  
Violation Description: Failure to conduct and document inspections of hazardous waste tank systems each operating day and retain records of those inspections at the facility.  
Violation Notes: OBSERVATION: Daily inspections of the Hazardous Waste tank system have not been conducted and documented. CORRECTIVE ACTION: Submit documentation to the CUPA demonstrating that the Hazardous Waste tank system is being properly inspected and documented. Email proof of daily (operational days, if shop is open Mon-Fri then only required Mon-Fri) tank inspections within 30 days.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: HW  
Violation Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Violation Date: 06-24-2014  
Citation: HSC 6.67 Multiple Sections - California Health and Safety Code, Chapter 6.67, Section(s) Multiple Sections  
Violation Description: APSA Program - Administration/Documentation - General  
Violation Notes: Returned to compliance on 07/15/2014.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: APSA  
Violation Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Violation Date: 04-06-2016  
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)  
Violation Description: Failure to maintain a complete copy of the SPCC Plan at the facility if the facility is normally attended at least four hours per day, or at the nearest field office if the facility is not so attended.  
Violation Notes: Returned to compliance on 04/14/2016.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: APSA  
Violation Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Violation Date: 04-06-2016  
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)  
Violation Description: Failure to provide the following training to all oil-handling personnel: 1. Operation and maintenance of equipment to prevent discharges. 2. Discharge procedure protocols. 3. Applicable pollution control laws, rules, and regulations. 4. General facility operations. 5. Contents of the SPCC Plan.  
Violation Notes: Returned to compliance on 08/12/2016.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: APSA  
Violation Source: CERS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**S112950867**

Site ID:	405083
Site Name:	UPS - Richmond
Violation Date:	04-06-2016
Citation:	HSC 6.67 Multiple Sections - California Health and Safety Code, Chapter 6.67, Section(s) Multiple Sections
Violation Description:	APSA Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 04/14/2016.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	APSA
Violation Source:	CERS
Site ID:	405083
Site Name:	UPS - Richmond
Violation Date:	05-13-2016
Citation:	HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description:	Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 08/03/2016.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	405083
Site Name:	UPS - Richmond
Violation Date:	06-02-2016
Citation:	HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description:	Hazardous Waste Generator Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 06/27/2016.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	405083
Site Name:	UPS - Richmond
Violation Date:	04-06-2016
Citation:	HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description:	APSA Program - Training - General
Violation Notes:	Returned to compliance on 05/06/2016.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	APSA
Violation Source:	CERS
Site ID:	405083
Site Name:	UPS - Richmond
Violation Date:	05-13-2016
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Haz Waste Generator Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 06/27/2016.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	405083

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**S112950867**

Site Name: UPS - Richmond  
Violation Date: 03-11-2013  
Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections  
Violation Description: UST Program - Operations/Maintenance - General  
Violation Notes: Returned to compliance on 03/11/2013.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Violation Date: 04-14-2015  
Citation: Un-Specified  
Violation Description: UST Program - Operations/Maintenance - For use of Local Ordinance only.  
Violation Notes: Returned to compliance on 04/14/2015.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Violation Date: 04-06-2016  
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)  
Violation Description: "Failure to amend the SPCC Plan within 6 months: 1. When the facility has had a change in design, construction, operation, or maintenance which affects the facility's discharge potential. AND/OR 2. To include more effective proven technology at the time of the 5-year SPCC Plan review and evaluation."  
Violation Notes: Returned to compliance on 04/14/2016.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: APSA  
Violation Source: CERS

Evaluation:  
Eval General Type: Compliance Evaluation Inspection  
Eval Date: 03-07-2018  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 03-11-2013  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 03-12-2014

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**S112950867**

Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: APSA  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 03-12-2014  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 03-12-2014  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 03-12-2014  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 04-06-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 04-06-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 04-06-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**S112950867**

Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 04-06-2016  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: APSA  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 04-14-2015  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 05-13-2016  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 05-13-2016  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 05-13-2016  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 06-02-2016  
Violations Found: Yes  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: APSA  
Eval Source: CERS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**S112950867**

Eval General Type: Other/Unknown  
Eval Date: 06-02-2016  
Violations Found: Yes  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-15-2017  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-18-2018  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: APSA  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-18-2018  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-18-2018  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 06-24-2014  
Violations Found: Yes  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: APSA  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 07-05-2013  
Violations Found: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**S112950867**

Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 08-03-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: APSA  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 08-03-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 10-03-2014  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 11-06-2015  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

**Enforcement Action:**

Site ID: 405083  
Site Name: UPS - Richmond  
Site Address: 1601 ATLAS RD  
Site City: RICHMOND  
Site Zip: 94806  
Enf Action Date: 03-11-2013  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported  
Enf Action Division: Contra Costa County Health Services Department  
Enf Action Program: UST  
Enf Action Source: CERS

Site ID: 405083



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**S112950867**

Site Name: UPS - Richmond  
Site Address: 1601 ATLAS RD  
Site City: RICHMOND  
Site Zip: 94806  
Enf Action Date: 04-06-2016  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported  
Enf Action Division: Contra Costa County Health Services Department  
Enf Action Program: APSA  
Enf Action Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Site Address: 1601 ATLAS RD  
Site City: RICHMOND  
Site Zip: 94806  
Enf Action Date: 04-14-2015  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported  
Enf Action Division: Contra Costa County Health Services Department  
Enf Action Program: UST  
Enf Action Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Site Address: 1601 ATLAS RD  
Site City: RICHMOND  
Site Zip: 94806  
Enf Action Date: 05-13-2016  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported  
Enf Action Division: Contra Costa County Health Services Department  
Enf Action Program: HW  
Enf Action Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Site Address: 1601 ATLAS RD  
Site City: RICHMOND  
Site Zip: 94806  
Enf Action Date: 06-02-2016  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported  
Enf Action Division: Contra Costa County Health Services Department  
Enf Action Program: APSA  
Enf Action Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Site Address: 1601 ATLAS RD  
Site City: RICHMOND  
Site Zip: 94806  
Enf Action Date: 06-02-2016

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**S112950867**

Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported  
Enf Action Division: Contra Costa County Health Services Department  
Enf Action Program: HW  
Enf Action Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Site Address: 1601 ATLAS RD  
Site City: RICHMOND  
Site Zip: 94806  
Enf Action Date: 06-18-2018  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported  
Enf Action Division: Contra Costa County Health Services Department  
Enf Action Program: HW  
Enf Action Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Site Address: 1601 ATLAS RD  
Site City: RICHMOND  
Site Zip: 94806  
Enf Action Date: 06-24-2014  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported  
Enf Action Division: Contra Costa County Health Services Department  
Enf Action Program: APSA  
Enf Action Source: CERS

Coordinates:  
Site ID: 405083  
Facility Name: UPS - Richmond  
Env Int Type Code: APSA  
Program ID: 10156177  
Coord Name: Not reported  
Ref Point Type Desc: Center of a facility or station.  
Latitude: 37.996470  
Longitude: -122.341640

Affiliation:  
Affiliation Type Desc: CUPA District  
Entity Name: Contra Costa County Health Services Department  
Entity Title: Not reported  
Affiliation Address: 4585 Pacheco Blvd Suite 100  
Affiliation City: Martinez  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94553  
Affiliation Phone: (925) 335-3200

Affiliation Type Desc: Document Preparer  
Entity Name: Alvin Solis

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**S112950867**

Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact  
Entity Name: Alvin Solis  
Entity Title: Not reported  
Affiliation Address: 8400 Pardee Drive  
Affiliation City: Oakland  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94621  
Affiliation Phone: (510) 246-2704

Affiliation Type Desc: Facility Mailing Address  
Entity Name: Mailing Address  
Entity Title: Not reported  
Affiliation Address: 8400 Pardee Drive, Attn: Plant Engineering  
Affiliation City: Oakland  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94621  
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer  
Entity Name: Carlos Medina  
Entity Title: District Plant Engineering Manager  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner  
Entity Name: United Parcel Service, Inc.  
Entity Title: Not reported  
Affiliation Address: 55 Glenlake Parkway, NE  
Affiliation City: Atlanta  
Affiliation State: GA  
Affiliation Country: United States  
Affiliation Zip: 30328  
Affiliation Phone: (510) 246-2704

Affiliation Type Desc: Operator  
Entity Name: United Parcel Service, Inc.  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: (510) 246-2704

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**S112950867**

Affiliation Type Desc: Parent Corporation  
Entity Name: United Parcel Service, Inc.  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner  
Entity Name: United Parcel Service, Inc.  
Entity Title: Not reported  
Affiliation Address: 55 Glenlake Parkway, NE  
Affiliation City: Atlanta  
Affiliation State: GA  
Affiliation Country: United States  
Affiliation Zip: 30328  
Affiliation Phone: (510) 246-2704

Affiliation Type Desc: UST Permit Applicant  
Entity Name: Carlos Medina  
Entity Title: District Plant Engineering Manager  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: (510) 453-2090

Affiliation Type Desc: UST Property Owner Name  
Entity Name: United Parcel Service, Inc.  
Entity Title: Not reported  
Affiliation Address: 55 Glenlake Parkway, NE  
Affiliation City: Atlanta  
Affiliation State: GA  
Affiliation Country: United States  
Affiliation Zip: 30328  
Affiliation Phone: (510) 246-2704

Affiliation Type Desc: UST Tank Operator  
Entity Name: United Parcel Service, Inc.  
Entity Title: Not reported  
Affiliation Address: 8400 Pardee Dr.  
Affiliation City: Oakland  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 94621  
Affiliation Phone: (510) 246-2704

Affiliation Type Desc: UST Tank Owner  
Entity Name: United Parcel Service, Inc.  
Entity Title: Not reported  
Affiliation Address: 8400 Pardee Dr.  
Affiliation City: Oakland  
Affiliation State: CA  
Affiliation Country: United States

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**S112950867**

Affiliation Zip: 94621  
Affiliation Phone: (510) 246-2704

Site ID: 405083  
CERS ID: 10156177  
CERS Description: Underground Storage Tank

**Violations:**

Site ID: 405083  
Site Name: UPS - Richmond  
Violation Date: 06-02-2016  
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections  
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General  
Violation Notes: Returned to compliance on 08/03/2016.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: HW  
Violation Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Violation Date: 04-06-2016  
Citation: HSC 6.67 Multiple Sections - California Health and Safety Code, Chapter 6.67, Section(s) Multiple Sections  
Violation Description: APSA Program - Release/Leaks/Spills - General  
Violation Notes: Returned to compliance on 06/27/2016.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: APSA  
Violation Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Violation Date: 06-18-2018  
Citation: 22 CCR 15 66265.195(c) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.195(c)  
Violation Description: Failure to conduct and document inspections of hazardous waste tank systems each operating day and retain records of those inspections at the facility.  
Violation Notes: OBSERVATION: Daily inspections of the Hazardous Waste tank system have not been conducted and documented. CORRECTIVE ACTION: Submit documentation to the CUPA demonstrating that the Hazardous Waste tank system is being properly inspected and documented. Email proof of daily (operational days, if shop is open Mon-Fri then only required Mon-Fri) tank inspections within 30 days.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: HW  
Violation Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Violation Date: 06-24-2014  
Citation: HSC 6.67 Multiple Sections - California Health and Safety Code, Chapter 6.67, Section(s) Multiple Sections  
Violation Description: APSA Program - Administration/Documentation - General  
Violation Notes: Returned to compliance on 07/15/2014.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: APSA

Map ID  
Direction  
Distance  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**S112950867**

Violation Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Violation Date: 04-06-2016  
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)  
Violation Description: Failure to maintain a complete copy of the SPCC Plan at the facility if the facility is normally attended at least four hours per day, or at the nearest field office if the facility is not so attended.  
Violation Notes: Returned to compliance on 04/14/2016.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: APSA  
Violation Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Violation Date: 04-06-2016  
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)  
Violation Description: Failure to provide the following training to all oil-handling personnel: 1. Operation and maintenance of equipment to prevent discharges. 2. Discharge procedure protocols. 3. Applicable pollution control laws, rules, and regulations. 4. General facility operations. 5. Contents of the SPCC Plan.  
Violation Notes: Returned to compliance on 08/12/2016.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: APSA  
Violation Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Violation Date: 04-06-2016  
Citation: HSC 6.67 Multiple Sections - California Health and Safety Code, Chapter 6.67, Section(s) Multiple Sections  
Violation Description: APSA Program - Administration/Documentation - General  
Violation Notes: Returned to compliance on 04/14/2016.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: APSA  
Violation Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Violation Date: 05-13-2016  
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections  
Violation Description: Haz Waste Generator Program - Operations/Maintenance - General  
Violation Notes: Returned to compliance on 08/03/2016.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: HW  
Violation Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Violation Date: 06-02-2016  
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections

Map ID  
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Distance  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**S112950867**

Violation Description: Hazardous Waste Generator Program - Administration/Documentation - General  
Violation Notes: Returned to compliance on 06/27/2016.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: HW  
Violation Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Violation Date: 04-06-2016  
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple

Violation Description: APSA Program - Training - General  
Violation Notes: Returned to compliance on 05/06/2016.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: APSA  
Violation Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Violation Date: 05-13-2016  
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple

Violation Description: Haz Waste Generator Program - Administration/Documentation - General  
Violation Notes: Returned to compliance on 06/27/2016.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: HW  
Violation Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Violation Date: 03-11-2013  
Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections

Violation Description: UST Program - Operations/Maintenance - General  
Violation Notes: Returned to compliance on 03/11/2013.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Violation Date: 04-14-2015  
Citation: Un-Specified

Violation Description: UST Program - Operations/Maintenance - For use of Local Ordinance only.  
Violation Notes: Returned to compliance on 04/14/2015.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Violation Date: 04-06-2016  
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)

Violation Description: "Failure to amend the SPCC Plan within 6 months: 1. When the facility



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**UNITED PARCEL SERVICE (Continued)**

**S112950867**

has had a change in design, construction, operation, or maintenance which affects the facility's discharge potential. AND/OR 2. To include more effective proven technology at the time of the 5-year SPCC Plan review and evaluation."

Violation Notes: Returned to compliance on 04/14/2016.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: APSA  
Violation Source: CERS

**Evaluation:**

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 03-07-2018  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 03-11-2013  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 03-12-2014  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: APSA  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 03-12-2014  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 03-12-2014  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 03-12-2014

Map ID  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
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**UNITED PARCEL SERVICE (Continued)**

**S112950867**

Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 04-06-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 04-06-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 04-06-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 04-06-2016  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: APSA  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 04-14-2015  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 05-13-2016  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**S112950867**

Eval Division: Contra Costa County Health Services Department  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 05-13-2016  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 05-13-2016  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 06-02-2016  
Violations Found: Yes  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: APSA  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 06-02-2016  
Violations Found: Yes  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-15-2017  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-18-2018  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: APSA  
Eval Source: CERS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**S112950867**

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-18-2018  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-18-2018  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 06-24-2014  
Violations Found: Yes  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: APSA  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 07-05-2013  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 08-03-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: APSA  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 08-03-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 10-03-2014  
Violations Found: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**S112950867**

Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 11-06-2015  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

**Enforcement Action:**

Site ID: 405083  
Site Name: UPS - Richmond  
Site Address: 1601 ATLAS RD  
Site City: RICHMOND  
Site Zip: 94806  
Enf Action Date: 03-11-2013  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported  
Enf Action Division: Contra Costa County Health Services Department  
Enf Action Program: UST  
Enf Action Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Site Address: 1601 ATLAS RD  
Site City: RICHMOND  
Site Zip: 94806  
Enf Action Date: 04-06-2016  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported  
Enf Action Division: Contra Costa County Health Services Department  
Enf Action Program: APSA  
Enf Action Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Site Address: 1601 ATLAS RD  
Site City: RICHMOND  
Site Zip: 94806  
Enf Action Date: 04-14-2015  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported  
Enf Action Division: Contra Costa County Health Services Department  
Enf Action Program: UST  
Enf Action Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond

Map ID  
Direction  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**S112950867**

Site Address: 1601 ATLAS RD  
Site City: RICHMOND  
Site Zip: 94806  
Enf Action Date: 05-13-2016  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported  
Enf Action Division: Contra Costa County Health Services Department  
Enf Action Program: HW  
Enf Action Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Site Address: 1601 ATLAS RD  
Site City: RICHMOND  
Site Zip: 94806  
Enf Action Date: 06-02-2016  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported  
Enf Action Division: Contra Costa County Health Services Department  
Enf Action Program: APSA  
Enf Action Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Site Address: 1601 ATLAS RD  
Site City: RICHMOND  
Site Zip: 94806  
Enf Action Date: 06-02-2016  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported  
Enf Action Division: Contra Costa County Health Services Department  
Enf Action Program: HW  
Enf Action Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Site Address: 1601 ATLAS RD  
Site City: RICHMOND  
Site Zip: 94806  
Enf Action Date: 06-18-2018  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported  
Enf Action Division: Contra Costa County Health Services Department  
Enf Action Program: HW  
Enf Action Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Site Address: 1601 ATLAS RD  
Site City: RICHMOND  
Site Zip: 94806  
Enf Action Date: 06-24-2014  
Enf Action Type: Notice of Violation (Unified Program)

Map ID  
Direction  
Distance  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**S112950867**

Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported  
Enf Action Division: Contra Costa County Health Services Department  
Enf Action Program: APSA  
Enf Action Source: CERS

Coordinates:  
Site ID: 405083  
Facility Name: UPS - Richmond  
Env Int Type Code: APSA  
Program ID: 10156177  
Coord Name: Not reported  
Ref Point Type Desc: Center of a facility or station.  
Latitude: 37.996470  
Longitude: -122.341640

Affiliation:  
Affiliation Type Desc: CUPA District  
Entity Name: Contra Costa County Health Services Department  
Entity Title: Not reported  
Affiliation Address: 4585 Pacheco Blvd Suite 100  
Affiliation City: Martinez  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94553  
Affiliation Phone: (925) 335-3200

Affiliation Type Desc: Document Preparer  
Entity Name: Alvin Solis  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact  
Entity Name: Alvin Solis  
Entity Title: Not reported  
Affiliation Address: 8400 Pardee Drive  
Affiliation City: Oakland  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94621  
Affiliation Phone: (510) 246-2704

Affiliation Type Desc: Facility Mailing Address  
Entity Name: Mailing Address  
Entity Title: Not reported  
Affiliation Address: 8400 Pardee Drive, Attn: Plant Engineering  
Affiliation City: Oakland  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94621  
Affiliation Phone: Not reported

Map ID  
Direction  
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**S112950867**

Affiliation Type Desc: Identification Signer  
Entity Name: Carlos Medina  
Entity Title: District Plant Engineering Manager  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner  
Entity Name: United Parcel Service, Inc.  
Entity Title: Not reported  
Affiliation Address: 55 Glenlake Parkway, NE  
Affiliation City: Atlanta  
Affiliation State: GA  
Affiliation Country: United States  
Affiliation Zip: 30328  
Affiliation Phone: (510) 246-2704

Affiliation Type Desc: Operator  
Entity Name: United Parcel Service, Inc.  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: (510) 246-2704

Affiliation Type Desc: Parent Corporation  
Entity Name: United Parcel Service, Inc.  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner  
Entity Name: United Parcel Service, Inc.  
Entity Title: Not reported  
Affiliation Address: 55 Glenlake Parkway, NE  
Affiliation City: Atlanta  
Affiliation State: GA  
Affiliation Country: United States  
Affiliation Zip: 30328  
Affiliation Phone: (510) 246-2704

Affiliation Type Desc: UST Permit Applicant  
Entity Name: Carlos Medina  
Entity Title: District Plant Engineering Manager  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**S112950867**

Affiliation Zip: Not reported  
Affiliation Phone: (510) 453-2090  
  
Affiliation Type Desc: UST Property Owner Name  
Entity Name: United Parcel Service, Inc.  
Entity Title: Not reported  
Affiliation Address: 55 Glenlake Parkway, NE  
Affiliation City: Atlanta  
Affiliation State: GA  
Affiliation Country: United States  
Affiliation Zip: 30328  
Affiliation Phone: (510) 246-2704

Affiliation Type Desc: UST Tank Operator  
Entity Name: United Parcel Service, Inc.  
Entity Title: Not reported  
Affiliation Address: 8400 Pardee Dr.  
Affiliation City: Oakland  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 94621  
Affiliation Phone: (510) 246-2704

Affiliation Type Desc: UST Tank Owner  
Entity Name: United Parcel Service, Inc.  
Entity Title: Not reported  
Affiliation Address: 8400 Pardee Dr.  
Affiliation City: Oakland  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 94621  
Affiliation Phone: (510) 246-2704

CERS HAZ WASTE:  
Site ID: 405083  
CERS ID: 10156177  
CERS Description: Hazardous Waste Generator

Violations:  
Site ID: 405083  
Site Name: UPS - Richmond  
Violation Date: 06-02-2016  
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections  
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General  
Violation Notes: Returned to compliance on 08/03/2016.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: HW  
Violation Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Violation Date: 04-06-2016  
Citation: HSC 6.67 Multiple Sections - California Health and Safety Code, Chapter 6.67, Section(s) Multiple Sections  
Violation Description: APSA Program - Release/Leaks/Spills - General

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**S112950867**

Violation Notes: Returned to compliance on 06/27/2016.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: APSA  
Violation Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Violation Date: 06-18-2018  
Citation: 22 CCR 15 66265.195(c) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.195(c)  
Violation Description: Failure to conduct and document inspections of hazardous waste tank systems each operating day and retain records of those inspections at the facility.  
Violation Notes: OBSERVATION: Daily inspections of the Hazardous Waste tank system have not been conducted and documented. CORRECTIVE ACTION: Submit documentation to the CUPA demonstrating that the Hazardous Waste tank system is being properly inspected and documented. Email proof of daily (operational days, if shop is open Mon-Fri then only required Mon-Fri) tank inspections within 30 days.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: HW  
Violation Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Violation Date: 06-24-2014  
Citation: HSC 6.67 Multiple Sections - California Health and Safety Code, Chapter 6.67, Section(s) Multiple Sections  
Violation Description: APSA Program - Administration/Documentation - General  
Violation Notes: Returned to compliance on 07/15/2014.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: APSA  
Violation Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Violation Date: 04-06-2016  
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)  
Violation Description: Failure to maintain a complete copy of the SPCC Plan at the facility if the facility is normally attended at least four hours per day, or at the nearest field office if the facility is not so attended.  
Violation Notes: Returned to compliance on 04/14/2016.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: APSA  
Violation Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Violation Date: 04-06-2016  
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)  
Violation Description: Failure to provide the following training to all oil-handling personnel: 1. Operation and maintenance of equipment to prevent discharges. 2. Discharge procedure protocols. 3. Applicable pollution control laws, rules, and regulations. 4. General facility operations. 5. Contents of the SPCC Plan.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**S112950867**

Violation Notes: Returned to compliance on 08/12/2016.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: APSA  
Violation Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Violation Date: 04-06-2016  
Citation: HSC 6.67 Multiple Sections - California Health and Safety Code, Chapter 6.67, Section(s) Multiple Sections

Violation Description: APSA Program - Administration/Documentation - General  
Violation Notes: Returned to compliance on 04/14/2016.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: APSA  
Violation Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Violation Date: 05-13-2016  
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections

Violation Description: Haz Waste Generator Program - Operations/Maintenance - General  
Violation Notes: Returned to compliance on 08/03/2016.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: HW  
Violation Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Violation Date: 06-02-2016  
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections

Violation Description: Hazardous Waste Generator Program - Administration/Documentation - General  
Violation Notes: Returned to compliance on 06/27/2016.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: HW  
Violation Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Violation Date: 04-06-2016  
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple

Violation Description: APSA Program - Training - General  
Violation Notes: Returned to compliance on 05/06/2016.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: APSA  
Violation Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Violation Date: 05-13-2016  
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple  
Violation Description: Haz Waste Generator Program - Administration/Documentation - General  
Violation Notes: Returned to compliance on 06/27/2016.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**S112950867**

Violation Division: Contra Costa County Health Services Department  
Violation Program: HW  
Violation Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Violation Date: 03-11-2013  
Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections

Violation Description: UST Program - Operations/Maintenance - General  
Violation Notes: Returned to compliance on 03/11/2013.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Violation Date: 04-14-2015  
Citation: Un-Specified  
Violation Description: UST Program - Operations/Maintenance - For use of Local Ordinance only.

Violation Notes: Returned to compliance on 04/14/2015.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Violation Date: 04-06-2016  
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)

Violation Description: "Failure to amend the SPCC Plan within 6 months: 1. When the facility has had a change in design, construction, operation, or maintenance which affects the facility's discharge potential. AND/OR 2. To include more effective proven technology at the time of the 5-year SPCC Plan review and evaluation."

Violation Notes: Returned to compliance on 04/14/2016.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: APSA  
Violation Source: CERS

Evaluation:  
Eval General Type: Compliance Evaluation Inspection  
Eval Date: 03-07-2018  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 03-11-2013  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**S112950867**

Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-12-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	APSA
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-12-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-12-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-12-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	04-06-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	04-06-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**S112950867**

Eval General Type: Other/Unknown  
Eval Date: 04-06-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 04-06-2016  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: APSA  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 04-14-2015  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 05-13-2016  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 05-13-2016  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 05-13-2016  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 06-02-2016  
Violations Found: Yes

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**S112950867**

Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: APSA  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 06-02-2016  
Violations Found: Yes  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-15-2017  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-18-2018  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: APSA  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-18-2018  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-18-2018  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 06-24-2014  
Violations Found: Yes  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**S112950867**

Eval Program: APSA  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 07-05-2013  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 08-03-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: APSA  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 08-03-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 10-03-2014  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 11-06-2015  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

**Enforcement Action:**

Site ID: 405083  
Site Name: UPS - Richmond  
Site Address: 1601 ATLAS RD  
Site City: RICHMOND  
Site Zip: 94806  
Enf Action Date: 03-11-2013  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**S112950867**

Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS
Site ID:	405083
Site Name:	UPS - Richmond
Site Address:	1601 ATLAS RD
Site City:	RICHMOND
Site Zip:	94806
Enf Action Date:	04-06-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	APSA
Enf Action Source:	CERS
Site ID:	405083
Site Name:	UPS - Richmond
Site Address:	1601 ATLAS RD
Site City:	RICHMOND
Site Zip:	94806
Enf Action Date:	04-14-2015
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS
Site ID:	405083
Site Name:	UPS - Richmond
Site Address:	1601 ATLAS RD
Site City:	RICHMOND
Site Zip:	94806
Enf Action Date:	05-13-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HW
Enf Action Source:	CERS
Site ID:	405083
Site Name:	UPS - Richmond
Site Address:	1601 ATLAS RD
Site City:	RICHMOND
Site Zip:	94806
Enf Action Date:	06-02-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	APSA
Enf Action Source:	CERS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**S112950867**

Site ID: 405083  
Site Name: UPS - Richmond  
Site Address: 1601 ATLAS RD  
Site City: RICHMOND  
Site Zip: 94806  
Enf Action Date: 06-02-2016  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported  
Enf Action Division: Contra Costa County Health Services Department  
Enf Action Program: HW  
Enf Action Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Site Address: 1601 ATLAS RD  
Site City: RICHMOND  
Site Zip: 94806  
Enf Action Date: 06-18-2018  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported  
Enf Action Division: Contra Costa County Health Services Department  
Enf Action Program: HW  
Enf Action Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Site Address: 1601 ATLAS RD  
Site City: RICHMOND  
Site Zip: 94806  
Enf Action Date: 06-24-2014  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported  
Enf Action Division: Contra Costa County Health Services Department  
Enf Action Program: APSA  
Enf Action Source: CERS

**Coordinates:**

Site ID: 405083  
Facility Name: UPS - Richmond  
Env Int Type Code: APSA  
Program ID: 10156177  
Coord Name: Not reported  
Ref Point Type Desc: Center of a facility or station.  
Latitude: 37.996470  
Longitude: -122.341640

**Affiliation:**

Affiliation Type Desc: CUPA District  
Entity Name: Contra Costa County Health Services Department  
Entity Title: Not reported  
Affiliation Address: 4585 Pacheco Blvd Suite 100  
Affiliation City: Martinez  
Affiliation State: CA

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**S112950867**

Affiliation Country: Not reported  
Affiliation Zip: 94553  
Affiliation Phone: (925) 335-3200

Affiliation Type Desc: Document Preparer  
Entity Name: Alvin Solis  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact  
Entity Name: Alvin Solis  
Entity Title: Not reported  
Affiliation Address: 8400 Pardee Drive  
Affiliation City: Oakland  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94621  
Affiliation Phone: (510) 246-2704

Affiliation Type Desc: Facility Mailing Address  
Entity Name: Mailing Address  
Entity Title: Not reported  
Affiliation Address: 8400 Pardee Drive, Attn: Plant Engineering  
Affiliation City: Oakland  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94621  
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer  
Entity Name: Carlos Medina  
Entity Title: District Plant Engineering Manager  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner  
Entity Name: United Parcel Service, Inc.  
Entity Title: Not reported  
Affiliation Address: 55 Glenlake Parkway, NE  
Affiliation City: Atlanta  
Affiliation State: GA  
Affiliation Country: United States  
Affiliation Zip: 30328  
Affiliation Phone: (510) 246-2704

Affiliation Type Desc: Operator  
Entity Name: United Parcel Service, Inc.  
Entity Title: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**S112950867**

Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: (510) 246-2704

Affiliation Type Desc: Parent Corporation  
Entity Name: United Parcel Service, Inc.  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner  
Entity Name: United Parcel Service, Inc.  
Entity Title: Not reported  
Affiliation Address: 55 Glenlake Parkway, NE  
Affiliation City: Atlanta  
Affiliation State: GA  
Affiliation Country: United States  
Affiliation Zip: 30328  
Affiliation Phone: (510) 246-2704

Affiliation Type Desc: UST Permit Applicant  
Entity Name: Carlos Medina  
Entity Title: District Plant Engineering Manager  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: (510) 453-2090

Affiliation Type Desc: UST Property Owner Name  
Entity Name: United Parcel Service, Inc.  
Entity Title: Not reported  
Affiliation Address: 55 Glenlake Parkway, NE  
Affiliation City: Atlanta  
Affiliation State: GA  
Affiliation Country: United States  
Affiliation Zip: 30328  
Affiliation Phone: (510) 246-2704

Affiliation Type Desc: UST Tank Operator  
Entity Name: United Parcel Service, Inc.  
Entity Title: Not reported  
Affiliation Address: 8400 Pardee Dr.  
Affiliation City: Oakland  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 94621  
Affiliation Phone: (510) 246-2704

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**S112950867**

Affiliation Type Desc: UST Tank Owner  
Entity Name: United Parcel Service, Inc.  
Entity Title: Not reported  
Affiliation Address: 8400 Pardee Dr.  
Affiliation City: Oakland  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 94621  
Affiliation Phone: (510) 246-2704

**CERS TANKS:**

Site ID: 405083  
CERS ID: 10156177  
CERS Description: Chemical Storage Facilities

**Violations:**

Site ID: 405083  
Site Name: UPS - Richmond  
Violation Date: 06-02-2016  
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections  
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General  
Violation Notes: Returned to compliance on 08/03/2016.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: HW  
Violation Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Violation Date: 04-06-2016  
Citation: HSC 6.67 Multiple Sections - California Health and Safety Code, Chapter 6.67, Section(s) Multiple Sections  
Violation Description: APSA Program - Release/Leaks/Spills - General  
Violation Notes: Returned to compliance on 06/27/2016.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: APSA  
Violation Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Violation Date: 06-18-2018  
Citation: 22 CCR 15 66265.195(c) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.195(c)  
Violation Description: Failure to conduct and document inspections of hazardous waste tank systems each operating day and retain records of those inspections at the facility.  
Violation Notes: OBSERVATION: Daily inspections of the Hazardous Waste tank system have not been conducted and documented. CORRECTIVE ACTION: Submit documentation to the CUPA demonstrating that the Hazardous Waste tank system is being properly inspected and documented. Email proof of daily (operational days, if shop is open Mon-Fri then only required Mon-Fri) tank inspections within 30 days.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: HW  
Violation Source: CERS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**S112950867**

Site ID: 405083  
Site Name: UPS - Richmond  
Violation Date: 06-24-2014  
Citation: HSC 6.67 Multiple Sections - California Health and Safety Code, Chapter 6.67, Section(s) Multiple Sections  
Violation Description: APSA Program - Administration/Documentation - General  
Violation Notes: Returned to compliance on 07/15/2014.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: APSA  
Violation Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Violation Date: 04-06-2016  
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)  
Violation Description: Failure to maintain a complete copy of the SPCC Plan at the facility if the facility is normally attended at least four hours per day, or at the nearest field office if the facility is not so attended.  
Violation Notes: Returned to compliance on 04/14/2016.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: APSA  
Violation Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Violation Date: 04-06-2016  
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)  
Violation Description: Failure to provide the following training to all oil-handling personnel: 1. Operation and maintenance of equipment to prevent discharges. 2. Discharge procedure protocols. 3. Applicable pollution control laws, rules, and regulations. 4. General facility operations. 5. Contents of the SPCC Plan.  
Violation Notes: Returned to compliance on 08/12/2016.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: APSA  
Violation Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Violation Date: 04-06-2016  
Citation: HSC 6.67 Multiple Sections - California Health and Safety Code, Chapter 6.67, Section(s) Multiple Sections  
Violation Description: APSA Program - Administration/Documentation - General  
Violation Notes: Returned to compliance on 04/14/2016.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: APSA  
Violation Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Violation Date: 05-13-2016  
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections  
Violation Description: Haz Waste Generator Program - Operations/Maintenance - General  
Violation Notes: Returned to compliance on 08/03/2016.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**S112950867**

Violation Division: Contra Costa County Health Services Department  
Violation Program: HW  
Violation Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Violation Date: 06-02-2016  
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections  
Violation Description: Hazardous Waste Generator Program - Administration/Documentation - General  
Violation Notes: Returned to compliance on 06/27/2016.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: HW  
Violation Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Violation Date: 04-06-2016  
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple  
Violation Description: APSA Program - Training - General  
Violation Notes: Returned to compliance on 05/06/2016.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: APSA  
Violation Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Violation Date: 05-13-2016  
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple  
Violation Description: Haz Waste Generator Program - Administration/Documentation - General  
Violation Notes: Returned to compliance on 06/27/2016.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: HW  
Violation Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Violation Date: 03-11-2013  
Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections  
Violation Description: UST Program - Operations/Maintenance - General  
Violation Notes: Returned to compliance on 03/11/2013.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: UST  
Violation Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Violation Date: 04-14-2015  
Citation: Un-Specified  
Violation Description: UST Program - Operations/Maintenance - For use of Local Ordinance only.  
Violation Notes: Returned to compliance on 04/14/2015.  
Violation Division: Contra Costa County Health Services Department

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**S112950867**

Violation Program: UST  
Violation Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Violation Date: 04-06-2016  
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)  
Violation Description: "Failure to amend the SPCC Plan within 6 months: 1. When the facility has had a change in design, construction, operation, or maintenance which affects the facility's discharge potential. AND/OR 2. To include more effective proven technology at the time of the 5-year SPCC Plan review and evaluation."  
Violation Notes: Returned to compliance on 04/14/2016.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: APSA  
Violation Source: CERS

Evaluation:  
Eval General Type: Compliance Evaluation Inspection  
Eval Date: 03-07-2018  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 03-11-2013  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 03-12-2014  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: APSA  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 03-12-2014  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 03-12-2014



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**S112950867**

Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 03-12-2014  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 04-06-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 04-06-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 04-06-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 04-06-2016  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: APSA  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 04-14-2015  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**S112950867**

Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 05-13-2016  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 05-13-2016  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 05-13-2016  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 06-02-2016  
Violations Found: Yes  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: APSA  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 06-02-2016  
Violations Found: Yes  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-15-2017  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**S112950867**

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-18-2018  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: APSA  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-18-2018  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-18-2018  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 06-24-2014  
Violations Found: Yes  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: APSA  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 07-05-2013  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 08-03-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: APSA  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 08-03-2016  
Violations Found: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**S112950867**

Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 10-03-2014  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 11-06-2015  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: UST  
Eval Source: CERS

**Enforcement Action:**

Site ID: 405083  
Site Name: UPS - Richmond  
Site Address: 1601 ATLAS RD  
Site City: RICHMOND  
Site Zip: 94806  
Enf Action Date: 03-11-2013  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported  
Enf Action Division: Contra Costa County Health Services Department  
Enf Action Program: UST  
Enf Action Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Site Address: 1601 ATLAS RD  
Site City: RICHMOND  
Site Zip: 94806  
Enf Action Date: 04-06-2016  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported  
Enf Action Division: Contra Costa County Health Services Department  
Enf Action Program: APSA  
Enf Action Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Site Address: 1601 ATLAS RD  
Site City: RICHMOND  
Site Zip: 94806  
Enf Action Date: 04-14-2015

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**S112950867**

Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported  
Enf Action Division: Contra Costa County Health Services Department  
Enf Action Program: UST  
Enf Action Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Site Address: 1601 ATLAS RD  
Site City: RICHMOND  
Site Zip: 94806  
Enf Action Date: 05-13-2016  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported  
Enf Action Division: Contra Costa County Health Services Department  
Enf Action Program: HW  
Enf Action Source: CERS

Site ID: 405083  
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Site Address: 1601 ATLAS RD  
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Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported  
Enf Action Division: Contra Costa County Health Services Department  
Enf Action Program: APSA  
Enf Action Source: CERS

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Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported  
Enf Action Division: Contra Costa County Health Services Department  
Enf Action Program: HW  
Enf Action Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Site Address: 1601 ATLAS RD  
Site City: RICHMOND  
Site Zip: 94806  
Enf Action Date: 06-18-2018  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported  
Enf Action Division: Contra Costa County Health Services Department  
Enf Action Program: HW

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**S112950867**

Enf Action Source: CERS

Site ID: 405083  
Site Name: UPS - Richmond  
Site Address: 1601 ATLAS RD  
Site City: RICHMOND  
Site Zip: 94806  
Enf Action Date: 06-24-2014  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported  
Enf Action Division: Contra Costa County Health Services Department  
Enf Action Program: APSA  
Enf Action Source: CERS

Coordinates:

Site ID: 405083  
Facility Name: UPS - Richmond  
Env Int Type Code: APSA  
Program ID: 10156177  
Coord Name: Not reported  
Ref Point Type Desc: Center of a facility or station.  
Latitude: 37.996470  
Longitude: -122.341640

Affiliation:

Affiliation Type Desc: CUPA District  
Entity Name: Contra Costa County Health Services Department  
Entity Title: Not reported  
Affiliation Address: 4585 Pacheco Blvd Suite 100  
Affiliation City: Martinez  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94553  
Affiliation Phone: (925) 335-3200

Affiliation Type Desc: Document Preparer  
Entity Name: Alvin Solis  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact  
Entity Name: Alvin Solis  
Entity Title: Not reported  
Affiliation Address: 8400 Pardee Drive  
Affiliation City: Oakland  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94621  
Affiliation Phone: (510) 246-2704

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**S112950867**

Affiliation Type Desc: Facility Mailing Address  
Entity Name: Mailing Address  
Entity Title: Not reported  
Affiliation Address: 8400 Pardee Drive, Attn: Plant Engineering  
Affiliation City: Oakland  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94621  
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer  
Entity Name: Carlos Medina  
Entity Title: District Plant Engineering Manager  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner  
Entity Name: United Parcel Service, Inc.  
Entity Title: Not reported  
Affiliation Address: 55 Glenlake Parkway, NE  
Affiliation City: Atlanta  
Affiliation State: GA  
Affiliation Country: United States  
Affiliation Zip: 30328  
Affiliation Phone: (510) 246-2704

Affiliation Type Desc: Operator  
Entity Name: United Parcel Service, Inc.  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: (510) 246-2704

Affiliation Type Desc: Parent Corporation  
Entity Name: United Parcel Service, Inc.  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner  
Entity Name: United Parcel Service, Inc.  
Entity Title: Not reported  
Affiliation Address: 55 Glenlake Parkway, NE  
Affiliation City: Atlanta  
Affiliation State: GA  
Affiliation Country: United States

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**S112950867**

Affiliation Zip: 30328  
Affiliation Phone: (510) 246-2704

Affiliation Type Desc: UST Permit Applicant  
Entity Name: Carlos Medina  
Entity Title: District Plant Engineering Manager  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: (510) 453-2090

Affiliation Type Desc: UST Property Owner Name  
Entity Name: United Parcel Service, Inc.  
Entity Title: Not reported  
Affiliation Address: 55 Glenlake Parkway, NE  
Affiliation City: Atlanta  
Affiliation State: GA  
Affiliation Country: United States  
Affiliation Zip: 30328  
Affiliation Phone: (510) 246-2704

Affiliation Type Desc: UST Tank Operator  
Entity Name: United Parcel Service, Inc.  
Entity Title: Not reported  
Affiliation Address: 8400 Pardee Dr.  
Affiliation City: Oakland  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 94621  
Affiliation Phone: (510) 246-2704

Affiliation Type Desc: UST Tank Owner  
Entity Name: United Parcel Service, Inc.  
Entity Title: Not reported  
Affiliation Address: 8400 Pardee Dr.  
Affiliation City: Oakland  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 94621  
Affiliation Phone: (510) 246-2704

19  
East  
1/2-1  
0.909 mi.  
4799 ft.  
  
Relative:  
Higher  
  
Actual:  
236 ft.

**APPIAN 80 EXPRESS CLEANERS**  
**1577 TARA HILLS DR**  
**PINOLE, CA 94564**

ENVIROSTOR:  
Facility ID: 60001904  
Status: Active  
Status Date: 07/16/2013  
Site Code: 201977

ENVIROSTOR 1002848401  
VCP N/A  
DRYCLEANERS  
EMI  
HAZNET  
CONTRA COSTA CO. SITE LIST  
CERS  
CERS HAZ WASTE



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**APPIAN 80 EXPRESS CLEANERS (Continued)**

**1002848401**

Site Type: Voluntary Cleanup  
Site Type Detailed: Voluntary Cleanup  
Acres: 0.42  
NPL: NO  
Regulatory Agencies: SMBRP  
Lead Agency: SMBRP  
Program Manager: Hongbo Zhu  
Supervisor: Daniel Murphy  
Division Branch: Cleanup Berkeley  
Assembly: 15  
Senate: 09  
Special Program: Not reported  
Restricted Use: NO  
Site Mgmt Req: NONE SPECIFIED  
Funding: Responsible Party  
Latitude: 37.99518  
Longitude: -122.3035  
APN: 402282002  
Past Use: DRY CLEANING  
Potential COC: Benzene Tetrachloroethylene (PCE TPH-gas Trichloroethylene (TCE  
1,2-Dichloroethane (EDC 1,2-Dichloroethylene (cis  
Confirmed COC: 30003-NO 30022-NO 30025-NO 30193-NO 30195-NO 30027-NO  
Potential Description: IA, SOIL, SV, UE  
Alias Name: 402282002  
Alias Type: APN  
Alias Name: 201977  
Alias Type: Project Code (Site Code)  
Alias Name: 60001904  
Alias Type: Envirostor ID Number

**Completed Info:**

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 09/23/2014  
Comments: DTSC estimate of DTSC's oversight costs for the 2014/2015 fiscal year from July 1, 2014 to June 30, 2015. Estimate is based on schedule of expected activities, estimates of DTSC staff hours for each activity and DTSC's contract estimation rates for the fiscal year.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 03/26/2014  
Comments: Letter hand delivered at Scoping Meeting on March 26, 2014. Letter informs DTSC that a Federal lawsuit has been filed- Case Number C-11-06610 EDL on 02/14/2011 for former owners and operators of the site.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Voluntary Cleanup Consultation  
Completed Date: 03/26/2014  
Comments: Meeting was held from 1:30 PM to 4:30 PM. Discussion covered the next steps for the site. A VCA amendment will be needed to cover the scope of work and new cost estimate. The next step will be a Pilot test workplan for a DPE system with additional wells for at least 2 months.  
Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**APPIAN 80 EXPRESS CLEANERS (Continued)**

**1002848401**

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 09/11/2015  
Comments: Schedule and cost estimate of DTSC oversight activities at the site for the 2015/2016 fiscal year (July 1, 2015-June 30, 2016).

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Amendment - Order/Agreement  
Completed Date: 09/24/2014  
Comments: Amendment to VCA to expand scope of work to include interim removal action workplan, CEQA, public participation and implementation of the interim removal action workplan. The advance payment was also increased to accommodate the increased scope of work.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Application  
Completed Date: 07/17/2013  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 07/17/2013  
Comments: DTSC did not provide oversight for this activity. DTSC has NOT reviewed this report for technical accuracy.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 07/17/2013  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 07/17/2013  
Comments: DTSC did not provide oversight for this activity. DTSC has NOT reviewed this report for technical accuracy.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 07/17/2013  
Comments: DTSC did not provide oversight for this activity. DTSC has NOT reviewed this report for technical accuracy.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 07/17/2013  
Comments: DTSC did not provide oversight for this activity. DTSC has NOT reviewed this report for technical accuracy.

Completed Area Name: PROJECT WIDE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**APPIAN 80 EXPRESS CLEANERS (Continued)**

**1002848401**

Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 07/17/2013  
Comments: DTSC did not provide oversight for this activity. DTSC has NOT reviewed this report for technical accuracy.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 07/17/2013  
Comments: DTSC did not provide oversight for this activity. DTSC has NOT reviewed this report for technical accuracy.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Well Installation Workplan  
Completed Date: 11/22/2013  
Comments: GSU approved the plan and letter was signed by Dan.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Fieldwork  
Completed Date: 12/12/2013  
Comments: Drilled 2 wells.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Well Completion Report  
Completed Date: 04/11/2014  
Comments: The report was approved. The report detailed the installation of 2 wells and sampling results. A scoping meeting was held in March to determine the next steps for the project.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Removal Action Workplan  
Completed Date: 01/30/2015  
Comments: Interim workplan to conduct soil excavation to remove source of volatile organic compound (VOC) and installation of a soil vapor extraction system to prevent intrusion of VOC gases into indoor air. Further characterization of the contamination will be completed after the interim activities and a final cleanup plan will be developed.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Community Profile  
Completed Date: 12/10/2015  
Comments: The community profile documents the concerns and potential concerns that the community has or might have regarding health risks and cleanup at the site. It describes anticipated public participation activities. Recommended activities include publishing a notice of the draft Removal Action Workplan, providing a public comment period of 30 days, holding a public meeting if necessary and preparing a response to public comments.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**APPIAN 80 EXPRESS CLEANERS (Continued)**

**1002848401**

Completed Document Type: Work Notice  
Completed Date: 03/02/2015  
Comments: Fact sheet to inform the community about the upcoming interim fieldwork scheduled from March 5. The fieldwork will take place according to the approved workplan, which was developed as a result of investigations that found tetrachloroethene in soil and groundwater beneath the site. Activities that are taking place include excavation of contaminated soil, installation of a soil vapor extraction system, and installation of groundwater monitoring wells.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Treatability Study Report  
Completed Date: 08/31/2015  
Comments: Soil and groundwater sampling was conducted to delineate the source of soil contamination of tetrachloroethene. Investigation identified an area east of the site along the back wall containing the highest concentrations, up to 1,660 milligrams per kilogram in soil. After consultations between DTSC and consultant, it was agreed that further characterization of contamination at the source area was needed.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Removal Action Workplan  
Completed Date: 07/17/2018  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Public Notice  
Completed Date: 05/29/2018  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Characterization Workplan  
Completed Date: 10/12/2015  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Fieldwork  
Completed Date: 03/18/2016  
Comments: RP completed further delineation of VOC plume beneath dry cleaner that may extend beneath neighboring unit. Investigation findings will be presented in report for DTSC review.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Work Notice  
Completed Date: 10/19/2015  
Comments: Notice informing the community of fieldwork that will be taking place the week of Oct 19th. Soil will be excavated by hand to expose drain lines to collect samples.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**APPIAN 80 EXPRESS CLEANERS (Continued)**

**1002848401**

Completed Document Type: Site Characterization Report  
Completed Date: 02/23/2017  
Comments: RP stated that the comments would be addressed in the draft RAW.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Fact Sheets  
Completed Date: 05/29/2018  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 07/12/2018  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 08/30/2017  
Comments: Karen DiBiasio, Renato Matrano Jr, and Hongbo Zhu visited the Site and discussed the possible locations for additional monitoring wells with Sharon Squire.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 06/01/2018  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 10/07/2016  
Comments: Cost Estimate Letter

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 09/29/2017  
Comments: The Annual Cost Estimate is completed and a letter was sent to the RP.  
Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Post HARP Form  
Completed Date: 03/26/2015  
Comments: No exposure symptoms noted.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 08/13/2013  
Comments: Letter sent to RP about the approved SVE system by the BAAQMD and DTSC's no objection to the system. The system is NOT a final remedy for the site. The proposed SVE system was not reviewed by DTSC. The purpose is to have the City of Pinole to approve permits for SVE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

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**APPIAN 80 EXPRESS CLEANERS (Continued)**

**1002848401**

installation. DTSC did not object to the occupancy of the four tenant spaces. More work may be needed. Changes and modifications may be required as DTSC's process continues to evaluate the contaminants of concern at the site.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 05/20/2013  
Comments: This application to BAAQMD was sent by the RP and consultant prior to lead agency determination. Correspondance back to RP & Consultant dated 05/20/2013. DTSC did not provide oversight for this activity. DTSC has NOT reviewed this report for technical accuracy. The date was verbally moved to August 15th for the fees to be paid. See letter from 8-13-2013 sent by DTSC.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Voluntary Cleanup Agreement  
Completed Date: 10/31/2013  
Comments: VCA signed on October 31, 2013. It included reviewing existing documentation, and a well installation workplan besides the VCA. A check is being sent to Sacramento for the deposit of \$ 12,000.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: CEQA - Notice of Exemption  
Completed Date: 04/11/2018  
Comments: Final NOE was stamped before the public comment.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Pre-HARP Form  
Completed Date: 02/06/2015  
Comments: HARP form to recognize and prevent potential health and safety threats on a field visit. Potential threats include PCE, TCE, heavy drilling and excavating equipment.

Future Area Name: PROJECT WIDE  
Future Sub Area Name: Not reported  
Future Document Type: Certification  
Future Due Date: 2019  
Future Area Name: PROJECT WIDE  
Future Sub Area Name: Not reported  
Future Document Type: Land Use Restriction  
Future Due Date: 2019  
Schedule Area Name: PROJECT WIDE  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Operations and Maintenance Plan  
Schedule Due Date: 04/15/2019  
Schedule Revised Date: Not reported  
Schedule Area Name: PROJECT WIDE  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Removal Action Completion Report  
Schedule Due Date: 04/15/2019  
Schedule Revised Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**APPIAN 80 EXPRESS CLEANERS (Continued)**

**1002848401**

VCP:

Facility ID: 60001904  
Site Type: Voluntary Cleanup  
Site Type Detail: Voluntary Cleanup  
Site Mgmt. Req.: NONE SPECIFIED  
Acres: 0.42  
National Priorities List: NO  
Cleanup Oversight Agencies: SMBRP  
Lead Agency: SMBRP  
Lead Agency Description: DTSC - Site Cleanup Program  
Project Manager: Hongbo Zhu  
Supervisor: Daniel Murphy  
Division Branch: Cleanup Berkeley  
Site Code: 201977  
Assembly: 15  
Senate: 09  
Special Programs Code: Not reported  
Status: Active  
Status Date: 07/16/2013  
Restricted Use: NO  
Funding: Responsible Party  
Lat/Long: 37.99518 / -122.3035  
APN: 402282002  
Past Use: DRY CLEANING  
Potential COC: 30003, 30022, 30025, 30027, 30193, 30195  
Confirmed COC: 30003-NO,30022-NO,30025-NO,30193-NO,30195-NO,30027-NO  
Potential Description: IA, SOIL, SV, UE  
Alias Name: 402282002  
Alias Type: APN  
Alias Name: 201977  
Alias Type: Project Code (Site Code)  
Alias Name: 60001904  
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 09/23/2014  
Comments: DTSC estimate of DTSC's oversight costs for the 2014/2015 fiscal year from July 1, 2014 to June 30, 2015. Estimate is based on schedule of expected activities, estimates of DTSC staff hours for each activity and DTSC's contract estimation rates for the fiscal year.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 03/26/2014  
Comments: Letter hand delivered at Scoping Meeting on March 26,2014. Letter informs DTSC that a Federal lawsuit has been filed- Case Number C-11-06610 EDL on 02/14/2011 for former owners and operators of the site.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Voluntary Cleanup Consultation  
Completed Date: 03/26/2014

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Direction  
Distance  
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**APPIAN 80 EXPRESS CLEANERS (Continued)**

**1002848401**

Comments: Meeting was held from 1:30 PM to 4:30 PM. Discussion covered the next steps for the site. A VCA amendment will be needed to cover the scope of work and new cost estimate. The next step will be a Pilot test workplan for a DPE system with additional wells for at least 2 months.  
Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 09/11/2015  
Comments: Schedule and cost estimate of DTSC oversight activities at the site for the 2015/2016 fiscal year (July 1, 2015-June 30, 2016).

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Amendment - Order/Agreement  
Completed Date: 09/24/2014  
Comments: Amendment to VCA to expand scope of work to include interim removal action workplan, CEQA, public participation and implementation of the interim removal action workplan. The advance payment was also increased to accommodate the increased scope of work.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Application  
Completed Date: 07/17/2013  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 07/17/2013  
Comments: DTSC did not provide oversight for this activity. DTSC has NOT reviewed this report for technical accuracy.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 07/17/2013  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 07/17/2013  
Comments: DTSC did not provide oversight for this activity. DTSC has NOT reviewed this report for technical accuracy.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 07/17/2013  
Comments: DTSC did not provide oversight for this activity. DTSC has NOT reviewed this report for technical accuracy.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported



Map ID  
Direction  
Distance  
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**APPIAN 80 EXPRESS CLEANERS (Continued)**

**1002848401**

Completed Document Type: Technical Report  
Completed Date: 07/17/2013  
Comments: DTSC did not provide oversight for this activity. DTSC has NOT reviewed this report for technical accuracy.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 07/17/2013  
Comments: DTSC did not provide oversight for this activity. DTSC has NOT reviewed this report for technical accuracy.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 07/17/2013  
Comments: DTSC did not provide oversight for this activity. DTSC has NOT reviewed this report for technical accuracy.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Well Installation Workplan  
Completed Date: 11/22/2013  
Comments: GSU approved the plan and letter was signed by Dan.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Fieldwork  
Completed Date: 12/12/2013  
Comments: Drilled 2 wells.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Well Completion Report  
Completed Date: 04/11/2014  
Comments: The report was approved. The report detailed the installation of 2 wells and sampling results. A scoping meeting was held in March to determine the next steps for the project.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Removal Action Workplan  
Completed Date: 01/30/2015  
Comments: Interim workplan to conduct soil excavation to remove source of volatile organic compound (VOC) and installation of a soil vapor extraction system to prevent intrusion of VOC gases into indoor air. Further characterization of the contamination will be completed after the interim activities and a final cleanup plan will be developed.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Community Profile  
Completed Date: 12/10/2015  
Comments: The community profile documents the concerns and potential concerns that the community has or might have regarding health risks and cleanup at the site. It describes anticipated public participation activities. Recommended activities include publishing a notice of the

Map ID  
Direction  
Distance  
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**APPIAN 80 EXPRESS CLEANERS (Continued)**

**1002848401**

draft Removal Action Workplan, providing a public comment period of 30 days, holding a public meeting if necessary and preparing a response to public comments.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Work Notice  
Completed Date: 03/02/2015  
Comments: Fact sheet to inform the community about the upcoming interim fieldwork scheduled from March 5. The fieldwork will take place according to the approved workplan, which was developed as a result of investigations that found tetrachloroethene in soil and groundwater beneath the site. Activities that are taking place include excavation of contaminated soil, installation of a soil vapor extraction system, and installation of groundwater monitoring wells.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Treatability Study Report  
Completed Date: 08/31/2015  
Comments: Soil and groundwater sampling was conducted to delineate the source of soil contamination of tetrachloroethene. Investigation identified an area east of the site along the back wall containing the highest concentrations, up to 1,660 milligrams per kilogram in soil. After consultations between DTSC and consultant, it was agreed that further characterization of contamination at the source area was needed.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Removal Action Workplan  
Completed Date: 07/17/2018  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Public Notice  
Completed Date: 05/29/2018  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Characterization Workplan  
Completed Date: 10/12/2015  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Fieldwork  
Completed Date: 03/18/2016  
Comments: RP completed further delineation of VOC plume beneath dry cleaner that may extend beneath neighboring unit. Investigation findings will be presented in report for DTSC review.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Work Notice  
Completed Date: 10/19/2015

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**APPIAN 80 EXPRESS CLEANERS (Continued)**

**1002848401**

Comments: Notice informing the community of fieldwork that will be taking place the week of Oct 19th. Soil will be excavated by hand to expose drain lines to collect samples.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Characterization Report  
Completed Date: 02/23/2017  
Comments: RP stated that the comments would be addressed in the draft RAW.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Fact Sheets  
Completed Date: 05/29/2018  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 07/12/2018  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 08/30/2017  
Comments: Karen DiBiasio, Renato Matrano Jr, and Hongbo Zhu visited the Site and discussed the possible locations for additional monitoring wells with Sharon Squire.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 06/01/2018  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 10/07/2016  
Comments: Cost Estimate Letter

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 09/29/2017  
Comments: The Annual Cost Estimate is completed and a letter was sent to the RP.  
Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Post HARP Form  
Completed Date: 03/26/2015  
Comments: No exposure symptoms noted.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**APPIAN 80 EXPRESS CLEANERS (Continued)**

**1002848401**

Completed Document Type: Correspondence  
Completed Date: 08/13/2013  
Comments: Letter sent to RP about the approved SVE system by the BAAQMD and DTSC's no objection to the system. The system is NOT a final remedy for the site. The proposed SVE system was not reviewed by DTSC. The purpose is to have the City of Pinole to approve permits for SVE installation. DTSC did not object to the occupancy of the four tenant spaces. More work may be needed. Changes and modifications may be required as DTSC's process continues to evaluate the contaminants of concern at the site.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 05/20/2013  
Comments: This application to BAAQMD was sent by the RP and consultant prior to lead agency determination. Correspondence back to RP & Consultant dated 05/20/2013. DTSC did not provide oversight for this activity. DTSC has NOT reviewed this report for technical accuracy. The date was verbally moved to August 15th for the fees to be paid. See letter from 8-13-2013 sent by DTSC.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Voluntary Cleanup Agreement  
Completed Date: 10/31/2013  
Comments: VCA signed on October 31, 2013. It included reviewing existing documentation, and a well installation workplan besides the VCA. A check is being sent to Sacramento for the deposit of \$ 12,000.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: CEQA - Notice of Exemption  
Completed Date: 04/11/2018  
Comments: Final NOE was stamped before the public comment.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Pre-HARP Form  
Completed Date: 02/06/2015  
Comments: HARP form to recognize and prevent potential health and safety threats on a field visit. Potential threats include PCE, TCE, heavy drilling and excavating equipment.

Future Area Name: PROJECT WIDE  
Future Sub Area Name: Not reported  
Future Document Type: Certification  
Future Due Date: 2019  
Future Area Name: PROJECT WIDE  
Future Sub Area Name: Not reported  
Future Document Type: Land Use Restriction  
Future Due Date: 2019  
Schedule Area Name: PROJECT WIDE  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Operations and Maintenance Plan  
Schedule Due Date: 04/15/2019  
Schedule Revised Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**APPIAN 80 EXPRESS CLEANERS (Continued)**

**1002848401**

Schedule Area Name: PROJECT WIDE  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Removal Action Completion Report  
Schedule Due Date: 04/15/2019  
Schedule Revised Date: Not reported

**DRYCLEANERS:**

EPA Id: CAL000283909  
NAICS Code: 81232  
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)  
SIC Code: 7211  
SIC Description: Power Laundries, Family and Commercial  
Create Date: 07/06/2004  
Facility Active: No  
Inactive Date: 06/30/2015  
Facility Addr2: Not reported  
Owner Name: JIN S KIM  
Owner Address: 110 BUXTON CIR  
Owner Address 2: Not reported  
Owner Telephone: 9259470506  
Contact Name: JIN KIM  
Contact Address: 110 BUXTON CIR  
Contact Address 2: Not reported  
Contact Telephone: 9259470506  
Mailing Name: Not reported  
Mailing Address 1: 1577 TARA HILLS DR  
Mailing Address 2: Not reported  
Mailing City: PINOLE  
Mailing State: CA  
Mailing Zip: 945640000  
Owner Fax: 0000000000  
Region Code: 2

EPA Id: CAL000013709  
NAICS Code: 81232  
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)  
SIC Code: 7211  
SIC Description: Power Laundries, Family and Commercial  
Create Date: 11/14/1989  
Facility Active: No  
Inactive Date: 06/24/2004  
Facility Addr2: Not reported  
Owner Name: INSOO OH  
Owner Address: --  
Owner Address 2: Not reported  
Owner Telephone: 0000000000  
Contact Name: DEACT PER VQ96-RK  
Contact Address: 1577 TARA HILLS DR  
Contact Address 2: Not reported  
Contact Telephone: 5107242388  
Mailing Name: Not reported  
Mailing Address 1: 1577 TARA HILLS DR  
Mailing Address 2: Not reported  
Mailing City: PINOLE  
Mailing State: CA  
Mailing Zip: 945640000  
Owner Fax: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

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EPA ID Number

**APPIAN 80 EXPRESS CLEANERS (Continued)**

**1002848401**

Region Code: 2

EMI:

Year: 1990  
County Code: 7  
Air Basin: SF  
Facility ID: 4560  
Air District Name: BA  
SIC Code: 7216  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 1  
Reactive Organic Gases Tons/Yr: 0  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Year: 1993  
County Code: 7  
Air Basin: SF  
Facility ID: 4560  
Air District Name: BA  
SIC Code: 7216  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 1  
Reactive Organic Gases Tons/Yr: 0  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Year: 1995  
County Code: 7  
Air Basin: SF  
Facility ID: 4560  
Air District Name: BA  
SIC Code: 7216  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 1  
Reactive Organic Gases Tons/Yr: 0  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Year: 1996  
County Code: 7  
Air Basin: SF

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**APPIAN 80 EXPRESS CLEANERS (Continued)**

**1002848401**

Facility ID: 4560  
Air District Name: BA  
SIC Code: 7216  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 1  
Reactive Organic Gases Tons/Yr: 0  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr: 0

Year: 1997  
County Code: 7  
Air Basin: SF  
Facility ID: 4560  
Air District Name: BA  
SIC Code: 7216  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 0  
Reactive Organic Gases Tons/Yr: 0  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr: 0

Year: 1998  
County Code: 7  
Air Basin: SF  
Facility ID: 4560  
Air District Name: BA  
SIC Code: 7216  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 1  
Reactive Organic Gases Tons/Yr: 0  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr: 0

Year: 2005  
County Code: 7  
Air Basin: SF  
Facility ID: 4560  
Air District Name: BA  
SIC Code: 7216  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**APPIAN 80 EXPRESS CLEANERS (Continued)**

**1002848401**

Total Organic Hydrocarbon Gases Tons/Yr: 0  
Reactive Organic Gases Tons/Yr: 0  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Year: 2008  
County Code: 7  
Air Basin: SF  
Facility ID: 4560  
Air District Name: BA  
SIC Code: 7216  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: .325  
Reactive Organic Gases Tons/Yr: .13  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Year: 2010  
County Code: 7  
Air Basin: SF  
Facility ID: 4560  
Air District Name: BA  
SIC Code: 7216  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 0.32500000000000001  
Reactive Organic Gases Tons/Yr: 0.13  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

**HAZNET:**

envid: 1002848401  
Year: 2015  
GEPAID: CAC002834722  
Contact: JEFF MCCLUNG  
Telephone: 9259347065  
Mailing Name: Not reported  
Mailing Address: PO BOX 253  
Mailing City,St,Zip: ALAMO, CA 945070253  
Gen County: Contra Costa  
TSD EPA ID: CAD980675276  
TSD County: Kern  
Waste Category: Contaminated soil from site clean-up  
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill( To Include On-Site Treatment And/Or Stabilization)



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**APPIAN 80 EXPRESS CLEANERS (Continued)**

**1002848401**

Tons: 56.4  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Contra Costa

**CONTRA COSTA CO. SITE LIST:**

Facility ID: FA0033428  
Billing Status: ACTIVE, BILLABLE  
Program Status: CONTRA COSTA CO. SITE LIST  
Program/Elements: HMBP: LESS THAN 1000 LBS  
Region: CONTRA COSTA  
Cupa Number: 770916

Facility ID: FA0033428  
Billing Status: ACTIVE, BILLABLE  
Program Status: CONTRA COSTA CO. SITE LIST  
Program/Elements: HWG: LESS THAN 5 TONS/YEAR  
Region: CONTRA COSTA  
Cupa Number: 770916

**CERS TANKS:**

Site ID: 6202  
CERS ID: 10010812  
CERS Description: Chemical Storage Facilities

**Violations:**

Site ID: 6202  
Site Name: APPIAN 80 EXPRESS CLEANERS  
Violation Date: 05-09-2016  
Citation: HSC 6.95 Multiple Sections - California Health and Safety Code, Chapter 6.95, Section(s) Multiple Sections  
Violation Description: Business Plan Program - Administration/Documentation - General  
Violation Notes: Returned to compliance on 05/18/2016.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 6202  
Site Name: APPIAN 80 EXPRESS CLEANERS  
Violation Date: 03-27-2018  
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)  
Violation Description: Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.  
Violation Notes: Returned to compliance on 04/04/2018.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 6202  
Site Name: APPIAN 80 EXPRESS CLEANERS  
Violation Date: 10-27-2014  
Citation: HSC 6.95 Multiple Sections - California Health and Safety Code, Chapter 6.95, Section(s) Multiple Sections  
Violation Description: Business Plan Program - Administration/Documentation - General  
Violation Notes: Returned to compliance on 11/05/2014.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**APPIAN 80 EXPRESS CLEANERS (Continued)**

**1002848401**

Violation Division: Contra Costa County Health Services Department  
Violation Program: HMRRP  
Violation Source: CERS  
  
Site ID: 6202  
Site Name: APPIAN 80 EXPRESS CLEANERS  
Violation Date: 10-27-2014  
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections  
Violation Description: Haz Waste Generator Program - Operations/Maintenance - General  
Violation Notes: Returned to compliance on 11/05/2014.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: HW  
Violation Source: CERS

Evaluation:  
Eval General Type: Other/Unknown  
Eval Date: 03-27-2018  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 03-27-2018  
Violations Found: Yes  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 05-09-2016  
Violations Found: Yes  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 05-22-2017  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 05-22-2017  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**APPIAN 80 EXPRESS CLEANERS (Continued)**

**1002848401**

Eval Division: Contra Costa County Health Services Department  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 10-27-2014  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 10-27-2014  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 11-05-2014  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 11-05-2014  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HW  
Eval Source: CERS

Enforcement Action:  
Site ID: 6202  
Site Name: APPIAN 80 EXPRESS CLEANERS  
Site Address: 1577 TARA HILLS DR  
Site City: PINOLE  
Site Zip: 94564  
Enf Action Date: 03-27-2018  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported  
Enf Action Division: Contra Costa County Health Services Department  
Enf Action Program: HMRRP  
Enf Action Source: CERS

Site ID: 6202  
Site Name: APPIAN 80 EXPRESS CLEANERS  
Site Address: 1577 TARA HILLS DR

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**APPIAN 80 EXPRESS CLEANERS (Continued)**

**1002848401**

Site City: PINOLE  
Site Zip: 94564  
Enf Action Date: 03-27-2018  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported  
Enf Action Division: Contra Costa County Health Services Department  
Enf Action Program: UNSPEC  
Enf Action Source: CERS

Site ID: 6202  
Site Name: APPIAN 80 EXPRESS CLEANERS  
Site Address: 1577 TARA HILLS DR  
Site City: PINOLE  
Site Zip: 94564  
Enf Action Date: 05-09-2016  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported  
Enf Action Division: Contra Costa County Health Services Department  
Enf Action Program: HMRRP  
Enf Action Source: CERS

Site ID: 6202  
Site Name: APPIAN 80 EXPRESS CLEANERS  
Site Address: 1577 TARA HILLS DR  
Site City: PINOLE  
Site Zip: 94564  
Enf Action Date: 10-27-2014  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported  
Enf Action Division: Contra Costa County Health Services Department  
Enf Action Program: HMRRP  
Enf Action Source: CERS

Site ID: 6202  
Site Name: APPIAN 80 EXPRESS CLEANERS  
Site Address: 1577 TARA HILLS DR  
Site City: PINOLE  
Site Zip: 94564  
Enf Action Date: 10-27-2014  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported  
Enf Action Division: Contra Costa County Health Services Department  
Enf Action Program: HW  
Enf Action Source: CERS

**Coordinates:**

Site ID: 6202  
Facility Name: APPIAN 80 EXPRESS CLEANERS  
Env Int Type Code: HWG  
Program ID: 10010812  
Coord Name: Not reported  
Ref Point Type Desc: Unknown  
Latitude: 37.995303

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**APPIAN 80 EXPRESS CLEANERS (Continued)**

**1002848401**

Longitude: -122.302657

**Affiliation:**

Affiliation Type Desc: CUPA District  
Entity Name: Contra Costa County Health Services Department  
Entity Title: Not reported  
Affiliation Address: 4585 Pacheco Blvd Suite 100  
Affiliation City: Martinez  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94553  
Affiliation Phone: (925) 335-3200

Affiliation Type Desc: Document Preparer  
Entity Name: Amanda Ackerman  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact  
Entity Name: JIN SOP KIM  
Entity Title: Not reported  
Affiliation Address: 1577 Tara Hills Dr  
Affiliation City: Pinole  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94564  
Affiliation Phone: (925) 768-7541

Affiliation Type Desc: Facility Mailing Address  
Entity Name: Mailing Address  
Entity Title: Not reported  
Affiliation Address: 1577 Tara Hills Dr  
Affiliation City: Pinole  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94564  
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer  
Entity Name: eileen kim  
Entity Title: manager  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner  
Entity Name: APPIAN 80 EXPRESS CLEANERS  
Entity Title: Not reported  
Affiliation Address: 1577 Tara Hills Dr

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**APPIAN 80 EXPRESS CLEANERS (Continued)**

**1002848401**

Affiliation City: Pinole  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 94564  
Affiliation Phone: (510) 724-2388

Affiliation Type Desc: Operator  
Entity Name: JIN SOP KIM  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: (510) 724-2388

Affiliation Type Desc: Parent Corporation  
Entity Name: APPIAN 80 EXPRESS CLEANERS  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

**CERS HAZ WASTE:**

Site ID: 6202  
CERS ID: 10010812  
CERS Description: Hazardous Waste Generator

**Violations:**

Site ID: 6202  
Site Name: APPIAN 80 EXPRESS CLEANERS  
Violation Date: 05-09-2016  
Citation: HSC 6.95 Multiple Sections - California Health and Safety Code, Chapter 6.95, Section(s) Multiple Sections  
Business Plan Program - Administration/Documentation - General  
Violation Description: Returned to compliance on 05/18/2016.  
Violation Notes: Contra Costa County Health Services Department  
Violation Division: HMRRP  
Violation Program: CERS  
Violation Source: CERS

Site ID: 6202  
Site Name: APPIAN 80 EXPRESS CLEANERS  
Violation Date: 03-27-2018  
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)  
Violation Description: Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.  
Violation Notes: Returned to compliance on 04/04/2018.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: HMRRP  
Violation Source: CERS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**APPIAN 80 EXPRESS CLEANERS (Continued)**

**1002848401**

Site ID: 6202  
Site Name: APPIAN 80 EXPRESS CLEANERS  
Violation Date: 10-27-2014  
Citation: HSC 6.95 Multiple Sections - California Health and Safety Code, Chapter 6.95, Section(s) Multiple Sections  
Violation Description: Business Plan Program - Administration/Documentation - General  
Violation Notes: Returned to compliance on 11/05/2014.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 6202  
Site Name: APPIAN 80 EXPRESS CLEANERS  
Violation Date: 10-27-2014  
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections  
Violation Description: Haz Waste Generator Program - Operations/Maintenance - General  
Violation Notes: Returned to compliance on 11/05/2014.  
Violation Division: Contra Costa County Health Services Department  
Violation Program: HW  
Violation Source: CERS

Evaluation:  
Eval General Type: Other/Unknown  
Eval Date: 03-27-2018  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 03-27-2018  
Violations Found: Yes  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 05-09-2016  
Violations Found: Yes  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 05-22-2017  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HMRRP

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**APPIAN 80 EXPRESS CLEANERS (Continued)**

**1002848401**

Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 05-22-2017  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 10-27-2014  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 10-27-2014  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 11-05-2014  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 11-05-2014  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Contra Costa County Health Services Department  
Eval Program: HW  
Eval Source: CERS

Enforcement Action:

Site ID: 6202  
Site Name: APPIAN 80 EXPRESS CLEANERS  
Site Address: 1577 TARA HILLS DR  
Site City: PINOLE  
Site Zip: 94564  
Enf Action Date: 03-27-2018  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**APPIAN 80 EXPRESS CLEANERS (Continued)**

**1002848401**

Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS
Site ID:	6202
Site Name:	APPIAN 80 EXPRESS CLEANERS
Site Address:	1577 TARA HILLS DR
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	03-27-2018
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	UNSPEC
Enf Action Source:	CERS
Site ID:	6202
Site Name:	APPIAN 80 EXPRESS CLEANERS
Site Address:	1577 TARA HILLS DR
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	05-09-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS
Site ID:	6202
Site Name:	APPIAN 80 EXPRESS CLEANERS
Site Address:	1577 TARA HILLS DR
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	10-27-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS
Site ID:	6202
Site Name:	APPIAN 80 EXPRESS CLEANERS
Site Address:	1577 TARA HILLS DR
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	10-27-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HW
Enf Action Source:	CERS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**APPIAN 80 EXPRESS CLEANERS (Continued)**

**1002848401**

Coordinates:

Site ID: 6202  
Facility Name: APPIAN 80 EXPRESS CLEANERS  
Env Int Type Code: HWG  
Program ID: 10010812  
Coord Name: Not reported  
Ref Point Type Desc: Unknown  
Latitude: 37.995303  
Longitude: -122.302657

Affiliation:

Affiliation Type Desc: CUPA District  
Entity Name: Contra Costa County Health Services Department  
Entity Title: Not reported  
Affiliation Address: 4585 Pacheco Blvd Suite 100  
Affiliation City: Martinez  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94553  
Affiliation Phone: (925) 335-3200

Affiliation Type Desc: Document Preparer  
Entity Name: Amanda Ackerman  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact  
Entity Name: JIN SOP KIM  
Entity Title: Not reported  
Affiliation Address: 1577 Tara Hills Dr  
Affiliation City: Pinole  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94564  
Affiliation Phone: (925) 768-7541

Affiliation Type Desc: Facility Mailing Address  
Entity Name: Mailing Address  
Entity Title: Not reported  
Affiliation Address: 1577 Tara Hills Dr  
Affiliation City: Pinole  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94564  
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer  
Entity Name: eileen kim  
Entity Title: manager  
Affiliation Address: Not reported  
Affiliation City: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**APPIAN 80 EXPRESS CLEANERS (Continued)**

**1002848401**

Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner  
Entity Name: APPIAN 80 EXPRESS CLEANERS  
Entity Title: Not reported  
Affiliation Address: 1577 Tara Hills Dr  
Affiliation City: Pinole  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 94564  
Affiliation Phone: (510) 724-2388

Affiliation Type Desc: Operator  
Entity Name: JIN SOP KIM  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: (510) 724-2388

Affiliation Type Desc: Parent Corporation  
Entity Name: APPIAN 80 EXPRESS CLEANERS  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

**20**  
**ENE**  
**1/2-1**  
**0.923 mi.**  
**4875 ft.**

**CA AUTISM FOUNDATION, A BETTER CHANCE II**  
**982 MARLESTA ROAD**  
**PINOLE, CA 94564**

**ENVIROSTOR S118757489**  
**N/A**

**Relative:**  
**Higher**

ENVIROSTOR:

**Actual:**  
**178 ft.**

Facility ID: 7830003  
Status: No Action Required  
Status Date: 04/12/1995  
Site Code: 200620  
Site Type: Calmortgage  
Site Type Detailed: Calmortgage  
Acres: 0  
NPL: NO  
Regulatory Agencies: SMBRP  
Lead Agency: SMBRP  
Program Manager: Sandra Karinen  
Supervisor: William Beckman  
Division Branch: Cleanup Sacramento  
Assembly: 15  
Senate: 09

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CA AUTISM FOUNDATION, A BETTER CHANCE II (Continued)**

**S118757489**

Special Program: Not reported  
Restricted Use: NO  
Site Mgmt Req: NONE SPECIFIED  
Funding: CalMortgage  
Latitude: 38.00180  
Longitude: -122.3053  
APN: NONE SPECIFIED  
Past Use: NONE  
Potential COC: NONE SPECIFIED No Contaminants found  
Confirmed COC: No Contaminants found  
Potential Description: NMA  
Alias Name: Not reported  
Alias Type: Not reported

Completed Info:

Completed Area Name: Not reported  
Completed Sub Area Name: Not reported  
Completed Document Type: Not reported  
Completed Date: Not reported  
Comments: Not reported

Future Area Name: Not reported  
Future Sub Area Name: Not reported  
Future Document Type: Not reported  
Future Due Date: Not reported  
Schedule Area Name: Not reported  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Not reported  
Schedule Due Date: Not reported  
Schedule Revised Date: Not reported

Count: 7 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
POINT RICHMOND	1003878953	SAN PABLO BAY SPORTSMENS CLUB	POINT SAN PABLO YACHT HARBOR	94801	SEMS-ARCHIVE
RICHMOND	S116165405	CHEVRON LAND AND DEVELOPMENT	BORDERED BY SAN PABLO AVENUE &	94806	ENVIROSTOR
RICHMOND	S106235222	POINT ISABEL PARK TRAIL	WEST END CENTRAL AVE POINT ISA		CPS-SLIC
RICHMOND	S106235152	CATELLUS DEVELOPMENT CORP	WEST END CENTRAL AVE POINT ISA		CPS-SLIC
RICHMOND	1005440844	BLUE SKY SPORTS	1736 SAN PABLO AVE.		SEMS
RICHMOND	S106235110	TERMINAL ONE RICHMOND	TERMINAL ONE PORT OF RICHMOND		CPS-SLIC
RICHMOND	S106234918	SEACLIFF VILLAS	UNKNOWN POINT RICHMOND		CPS-SLIC

# 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: 07/17/2018	Source: EPA
Date Data Arrived at EDR: 08/09/2018	Telephone: N/A
Date Made Active in Reports: 09/07/2018	Last EDR Contact: 10/04/2018
Number of Days to Update: 29	Next Scheduled EDR Contact: 01/14/2019
	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: 07/17/2018	Source: EPA
Date Data Arrived at EDR: 08/09/2018	Telephone: N/A
Date Made Active in Reports: 09/07/2018	Last EDR Contact: 10/04/2018
Number of Days to Update: 29	Next Scheduled EDR Contact: 01/14/2019
	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.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/1991  
Date Data Arrived at EDR: 02/02/1994  
Date Made Active in Reports: 03/30/1994  
Number of Days to Update: 56

Source: EPA  
Telephone: 202-564-4267  
Last EDR Contact: 08/15/2011  
Next Scheduled EDR Contact: 11/28/2011  
Data Release Frequency: No Update Planned

### ***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: 07/17/2018  
Date Data Arrived at EDR: 08/09/2018  
Date Made Active in Reports: 09/07/2018  
Number of Days to Update: 29

Source: EPA  
Telephone: N/A  
Last EDR Contact: 10/04/2018  
Next Scheduled EDR Contact: 01/14/2019  
Data Release Frequency: Quarterly

### ***Federal CERCLIS list***

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: 11/07/2016  
Date Data Arrived at EDR: 01/05/2017  
Date Made Active in Reports: 04/07/2017  
Number of Days to Update: 92

Source: Environmental Protection Agency  
Telephone: 703-603-8704  
Last EDR Contact: 07/06/2018  
Next Scheduled EDR Contact: 10/15/2018  
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list 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). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 07/17/2018  
Date Data Arrived at EDR: 08/09/2018  
Date Made Active in Reports: 09/07/2018  
Number of Days to Update: 29

Source: EPA  
Telephone: 800-424-9346  
Last EDR Contact: 10/04/2018  
Next Scheduled EDR Contact: 10/29/2018  
Data Release Frequency: Quarterly

### ***Federal CERCLIS NFRAP site list***

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS 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 the 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. The 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 potential NPL site.

Date of Government Version: 07/17/2018	Source: EPA
Date Data Arrived at EDR: 08/09/2018	Telephone: 800-424-9346
Date Made Active in Reports: 09/07/2018	Last EDR Contact: 10/04/2018
Number of Days to Update: 29	Next Scheduled EDR Contact: 01/14/2019
	Data Release Frequency: Quarterly

### ***Federal RCRA CORRACTS facilities list***

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/01/2018	Source: EPA
Date Data Arrived at EDR: 03/28/2018	Telephone: 800-424-9346
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 09/19/2018
Number of Days to Update: 86	Next Scheduled EDR Contact: 01/07/2019
	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: 03/01/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/28/2018	Telephone: (415) 495-8895
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 09/19/2018
Number of Days to Update: 86	Next Scheduled EDR Contact: 01/07/2019
	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: 03/01/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/28/2018	Telephone: (415) 495-8895
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 09/19/2018
Number of Days to Update: 86	Next Scheduled EDR Contact: 01/07/2019
	Data Release Frequency: Quarterly



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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: 03/01/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/28/2018	Telephone: (415) 495-8895
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 09/19/2018
Number of Days to Update: 86	Next Scheduled EDR Contact: 01/07/2019
	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: 03/01/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/28/2018	Telephone: (415) 495-8895
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 09/19/2018
Number of Days to Update: 86	Next Scheduled EDR Contact: 01/07/2019
	Data Release Frequency: Quarterly

### ***Federal institutional controls / engineering controls registries***

#### LUCIS: Land Use Control Information System

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

Date of Government Version: 05/14/2018	Source: Department of the Navy
Date Data Arrived at EDR: 05/18/2018	Telephone: 843-820-7326
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 07/16/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/26/2018
	Data Release Frequency: Varies

#### 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: 07/31/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/28/2018	Telephone: 703-603-0695
Date Made Active in Reports: 09/14/2018	Last EDR Contact: 08/28/2018
Number of Days to Update: 17	Next Scheduled EDR Contact: 12/10/2018
	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: 07/31/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/28/2018	Telephone: 703-603-0695
Date Made Active in Reports: 09/14/2018	Last EDR Contact: 08/28/2018
Number of Days to Update: 17	Next Scheduled EDR Contact: 12/10/2018
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***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: 06/18/2018

Date Data Arrived at EDR: 06/27/2018

Date Made Active in Reports: 09/14/2018

Number of Days to Update: 79

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Last EDR Contact: 09/25/2018

Next Scheduled EDR Contact: 01/07/2019

Data Release Frequency: Quarterly

## ***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: 07/30/2018

Date Data Arrived at EDR: 07/31/2018

Date Made Active in Reports: 09/07/2018

Number of Days to Update: 38

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 07/31/2018

Next Scheduled EDR Contact: 11/12/2018

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.

Date of Government Version: 07/30/2018

Date Data Arrived at EDR: 07/31/2018

Date Made Active in Reports: 09/07/2018

Number of Days to Update: 38

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 07/31/2018

Next Scheduled EDR Contact: 11/12/2018

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: 08/08/2018

Date Data Arrived at EDR: 08/10/2018

Date Made Active in Reports: 08/24/2018

Number of Days to Update: 14

Source: Department of Resources Recycling and Recovery

Telephone: 916-341-6320

Last EDR Contact: 08/10/2018

Next Scheduled EDR Contact: 11/26/2018

Data Release Frequency: Quarterly

## ***State and tribal leaking storage tank lists***

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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 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: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/10/2018  
Date Data Arrived at EDR: 09/12/2018  
Date Made Active in Reports: 10/08/2018  
Number of Days to Update: 26

Source: State Water Resources Control Board  
Telephone: see region list  
Last EDR Contact: 09/12/2018  
Next Scheduled EDR Contact: 12/24/2018  
Data Release Frequency: Quarterly

### 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 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.

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.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 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 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 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 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

### INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/12/2018  
Date Data Arrived at EDR: 05/18/2018  
Date Made Active in Reports: 07/20/2018  
Number of Days to Update: 63

Source: EPA Region 10  
Telephone: 206-553-2857  
Last EDR Contact: 07/27/2018  
Next Scheduled EDR Contact: 11/05/2018  
Data Release Frequency: Varies

### 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: 04/10/2018  
Date Data Arrived at EDR: 05/18/2018  
Date Made Active in Reports: 07/20/2018  
Number of Days to Update: 63

Source: Environmental Protection Agency  
Telephone: 415-972-3372  
Last EDR Contact: 07/27/2018  
Next Scheduled EDR Contact: 11/05/2018  
Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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: 04/25/2018	Source: EPA Region 8
Date Data Arrived at EDR: 05/18/2018	Telephone: 303-312-6271
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 07/27/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/05/2018
	Data Release Frequency: Varies

### INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/24/2018	Source: EPA Region 7
Date Data Arrived at EDR: 05/18/2018	Telephone: 913-551-7003
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 07/27/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/05/2018
	Data Release Frequency: Varies

### INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/01/2018	Source: EPA Region 6
Date Data Arrived at EDR: 05/18/2018	Telephone: 214-665-6597
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 07/27/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/05/2018
	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: 05/08/2018	Source: EPA Region 4
Date Data Arrived at EDR: 05/18/2018	Telephone: 404-562-8677
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 07/27/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/05/2018
	Data Release Frequency: Varies

### 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: 04/13/2018	Source: EPA Region 1
Date Data Arrived at EDR: 05/18/2018	Telephone: 617-918-1313
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 07/27/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/05/2018
	Data Release Frequency: Varies

### INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/12/2018	Source: EPA, Region 5
Date Data Arrived at EDR: 05/18/2018	Telephone: 312-886-7439
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 07/27/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/05/2018
	Data Release Frequency: Varies

### CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)

Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/10/2018	Source: State Water Resources Control Board
Date Data Arrived at EDR: 09/12/2018	Telephone: 866-480-1028
Date Made Active in Reports: 10/09/2018	Last EDR Contact: 12/12/2018
Number of Days to Update: 27	Next Scheduled EDR Contact: 12/24/2018
	Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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.

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

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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.

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

### ***State and tribal registered storage tank lists***

#### FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 05/15/2017  
Date Data Arrived at EDR: 05/30/2017  
Date Made Active in Reports: 10/13/2017  
Number of Days to Update: 136

Source: FEMA  
Telephone: 202-646-5797  
Last EDR Contact: 10/10/2018  
Next Scheduled EDR Contact: 01/21/2019  
Data Release Frequency: Varies

#### UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 09/10/2018  
Date Data Arrived at EDR: 09/12/2018  
Date Made Active in Reports: 10/03/2018  
Number of Days to Update: 21

Source: SWRCB  
Telephone: 916-341-5851  
Last EDR Contact: 09/12/2018  
Next Scheduled EDR Contact: 12/24/2018  
Data Release Frequency: Semi-Annually

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases

UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 09/10/2018  
Date Data Arrived at EDR: 09/12/2018  
Date Made Active in Reports: 10/03/2018  
Number of Days to Update: 21

Source: State Water Resources Control Board  
Telephone: 916-327-7844  
Last EDR Contact: 09/12/2018  
Next Scheduled EDR Contact: 12/24/2018  
Data Release Frequency: Varies

### MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 09/10/2018  
Date Data Arrived at EDR: 09/12/2018  
Date Made Active in Reports: 10/09/2018  
Number of Days to Update: 27

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 12/12/2018  
Next Scheduled EDR Contact: 12/24/2018  
Data Release Frequency: Varies

### AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016  
Date Data Arrived at EDR: 07/12/2016  
Date Made Active in Reports: 09/19/2016  
Number of Days to Update: 69

Source: California Environmental Protection Agency  
Telephone: 916-327-5092  
Last EDR Contact: 09/17/2018  
Next Scheduled EDR Contact: 12/31/2018  
Data Release Frequency: Quarterly

### 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: 05/08/2018  
Date Data Arrived at EDR: 05/18/2018  
Date Made Active in Reports: 07/20/2018  
Number of Days to Update: 63

Source: EPA Region 4  
Telephone: 404-562-9424  
Last EDR Contact: 07/27/2018  
Next Scheduled EDR Contact: 11/05/2018  
Data Release Frequency: Varies

### 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: 04/12/2018  
Date Data Arrived at EDR: 05/18/2018  
Date Made Active in Reports: 07/20/2018  
Number of Days to Update: 63

Source: EPA Region 10  
Telephone: 206-553-2857  
Last EDR Contact: 07/27/2018  
Next Scheduled EDR Contact: 11/05/2018  
Data Release Frequency: Varies

### 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: 04/10/2018  
Date Data Arrived at EDR: 05/18/2018  
Date Made Active in Reports: 07/20/2018  
Number of Days to Update: 63

Source: EPA Region 9  
Telephone: 415-972-3368  
Last EDR Contact: 07/27/2018  
Next Scheduled EDR Contact: 11/05/2018  
Data Release Frequency: Varies



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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: 04/12/2018	Source: EPA Region 5
Date Data Arrived at EDR: 05/18/2018	Telephone: 312-886-6136
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 07/27/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/05/2018
	Data Release Frequency: Varies

### 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: 04/13/2018	Source: EPA, Region 1
Date Data Arrived at EDR: 05/18/2018	Telephone: 617-918-1313
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 07/27/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/05/2018
	Data Release Frequency: Varies

### 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: 04/24/2018	Source: EPA Region 7
Date Data Arrived at EDR: 05/18/2018	Telephone: 913-551-7003
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 07/27/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/05/2018
	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: 04/01/2018	Source: EPA Region 6
Date Data Arrived at EDR: 05/18/2018	Telephone: 214-665-7591
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 07/27/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/05/2018
	Data Release Frequency: Varies

### 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: 04/25/2018	Source: EPA Region 8
Date Data Arrived at EDR: 05/18/2018	Telephone: 303-312-6137
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 07/27/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/05/2018
	Data Release Frequency: Varies

### **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

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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: 07/30/2018  
Date Data Arrived at EDR: 07/31/2018  
Date Made Active in Reports: 09/07/2018  
Number of Days to Update: 38

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 07/31/2018  
Next Scheduled EDR Contact: 11/12/2018  
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: 07/27/2015  
Date Data Arrived at EDR: 09/29/2015  
Date Made Active in Reports: 02/18/2016  
Number of Days to Update: 142

Source: EPA, Region 1  
Telephone: 617-918-1102  
Last EDR Contact: 09/24/2018  
Next Scheduled EDR Contact: 01/07/2019  
Data Release Frequency: Varies

### ***State and tribal Brownfields sites***

#### BROWNFIELDS: Considered Brownfields Sites Listing

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 09/24/2018  
Date Data Arrived at EDR: 09/25/2018  
Date Made Active in Reports: 10/15/2018  
Number of Days to Update: 20

Source: State Water Resources Control Board  
Telephone: 916-323-7905  
Last EDR Contact: 09/25/2018  
Next Scheduled EDR Contact: 01/07/2019  
Data Release Frequency: Quarterly

### **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: 06/18/2018  
Date Data Arrived at EDR: 06/20/2018  
Date Made Active in Reports: 09/14/2018  
Number of Days to Update: 86

Source: Environmental Protection Agency  
Telephone: 202-566-2777  
Last EDR Contact: 09/18/2018  
Next Scheduled EDR Contact: 12/31/2018  
Data Release Frequency: Semi-Annually

#### ***Local Lists of Landfill / Solid Waste Disposal Sites***

#### 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.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 07/24/2018  
Next Scheduled EDR Contact: 11/12/2018  
Data Release Frequency: No Update Planned

### SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 09/10/2018  
Date Data Arrived at EDR: 09/12/2018  
Date Made Active in Reports: 10/15/2018  
Number of Days to Update: 33

Source: Department of Conservation  
Telephone: 916-323-3836  
Last EDR Contact: 09/12/2018  
Next Scheduled EDR Contact: 12/24/2018  
Data Release Frequency: Quarterly

### HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 05/29/2018  
Date Data Arrived at EDR: 05/30/2018  
Date Made Active in Reports: 07/17/2018  
Number of Days to Update: 48

Source: Integrated Waste Management Board  
Telephone: 916-341-6422  
Last EDR Contact: 08/07/2018  
Next Scheduled EDR Contact: 11/26/2018  
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: 07/30/2018  
Next Scheduled EDR Contact: 11/12/2018  
Data Release Frequency: Varies

### 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

### 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  
Date Data Arrived at EDR: 05/07/2009  
Date Made Active in Reports: 09/21/2009  
Number of Days to Update: 137

Source: EPA, Region 9  
Telephone: 415-947-4219  
Last EDR Contact: 07/17/2018  
Next Scheduled EDR Contact: 11/05/2018  
Data Release Frequency: No Update Planned

### IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014  
Date Data Arrived at EDR: 08/06/2014  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service  
Telephone: 301-443-1452  
Last EDR Contact: 08/03/2018  
Next Scheduled EDR Contact: 11/12/2018  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***Local Lists of Hazardous waste / Contaminated Sites***

### **US HIST CDL: National Clandestine Laboratory Register**

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 05/18/2018  
Date Data Arrived at EDR: 06/20/2018  
Date Made Active in Reports: 09/14/2018  
Number of Days to Update: 86

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 08/28/2018  
Next Scheduled EDR Contact: 12/10/2018  
Data Release Frequency: No Update Planned

### **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: 07/30/2018  
Date Data Arrived at EDR: 07/31/2018  
Date Made Active in Reports: 09/07/2018  
Number of Days to Update: 38

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 07/31/2018  
Next Scheduled EDR Contact: 11/12/2018  
Data Release Frequency: Quarterly

### **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: 12/31/2017  
Date Data Arrived at EDR: 06/12/2018  
Date Made Active in Reports: 08/06/2018  
Number of Days to Update: 55

Source: Department of Toxic Substances Control  
Telephone: 916-255-6504  
Last EDR Contact: 10/05/2018  
Next Scheduled EDR Contact: 01/21/2019  
Data Release Frequency: Varies

### **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

### **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: 05/18/2018  
Date Data Arrived at EDR: 06/20/2018  
Date Made Active in Reports: 09/14/2018  
Number of Days to Update: 86

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 08/28/2018  
Next Scheduled EDR Contact: 12/10/2018  
Data Release Frequency: Quarterly

### CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 07/23/2018  
Date Data Arrived at EDR: 07/25/2018  
Date Made Active in Reports: 09/05/2018  
Number of Days to Update: 42

Source: CalEPA  
Telephone: 916-323-2514  
Last EDR Contact: 07/25/2018  
Next Scheduled EDR Contact: 11/05/2018  
Data Release Frequency: Quarterly

### Local Lists of Registered Storage Tanks

#### 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  
Date Data Arrived at EDR: 07/07/2005  
Date Made Active in Reports: 08/11/2005  
Number of Days to Update: 35

Source: State Water Resources Control Board  
Telephone: N/A  
Last EDR Contact: 06/03/2005  
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: 03/28/2018  
Date Data Arrived at EDR: 05/25/2018  
Date Made Active in Reports: 07/10/2018  
Number of Days to Update: 46

Source: Department of Public Health  
Telephone: 707-463-4466  
Last EDR Contact: 10/09/2018  
Next Scheduled EDR Contact: 12/10/2018  
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  
Date Data Arrived at EDR: 01/25/1991  
Date Made Active in Reports: 02/12/1991  
Number of Days to Update: 18

Source: State Water Resources Control Board  
Telephone: 916-341-5851  
Last EDR Contact: 07/26/2001  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

#### SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 09/11/2018  
Date Data Arrived at EDR: 09/12/2018  
Date Made Active in Reports: 10/11/2018  
Number of Days to Update: 29

Source: San Francisco County Department of Public Health  
Telephone: 415-252-3896  
Last EDR Contact: 08/01/2018  
Next Scheduled EDR Contact: 11/19/2018  
Data Release Frequency: Varies

#### 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.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/31/1994  
Date Data Arrived at EDR: 09/05/1995  
Date Made Active in Reports: 09/29/1995  
Number of Days to Update: 24

Source: California Environmental Protection Agency  
Telephone: 916-341-5851  
Last EDR Contact: 12/28/1998  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

### CERS TANKS: California Environmental Reporting System (CERS) Tanks

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 07/23/2018  
Date Data Arrived at EDR: 07/25/2018  
Date Made Active in Reports: 09/05/2018  
Number of Days to Update: 42

Source: California Environmental Protection Agency  
Telephone: 916-323-2514  
Last EDR Contact: 07/25/2018  
Next Scheduled EDR Contact: 11/05/2018  
Data Release Frequency: Quarterly

### Local Land Records

#### LIENS: Environmental Liens Listing

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

Date of Government Version: 08/29/2018  
Date Data Arrived at EDR: 08/30/2018  
Date Made Active in Reports: 10/01/2018  
Number of Days to Update: 32

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 08/29/2018  
Next Scheduled EDR Contact: 12/17/2018  
Data Release Frequency: Varies

#### 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: 07/17/2018  
Date Data Arrived at EDR: 08/09/2018  
Date Made Active in Reports: 10/05/2018  
Number of Days to Update: 57

Source: Environmental Protection Agency  
Telephone: 202-564-6023  
Last EDR Contact: 10/04/2018  
Next Scheduled EDR Contact: 01/14/2019  
Data Release Frequency: Semi-Annually

#### 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: 09/04/2018  
Date Data Arrived at EDR: 09/05/2018  
Date Made Active in Reports: 10/02/2018  
Number of Days to Update: 27

Source: DTSC and SWRCB  
Telephone: 916-323-3400  
Last EDR Contact: 09/05/2018  
Next Scheduled EDR Contact: 12/17/2018  
Data Release Frequency: Semi-Annually

### Records of Emergency Release Reports

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 03/26/2018	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 03/27/2018	Telephone: 202-366-4555
Date Made Active in Reports: 06/08/2018	Last EDR Contact: 09/25/2018
Number of Days to Update: 73	Next Scheduled EDR Contact: 01/07/2019
	Data Release Frequency: Quarterly

### 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: 04/06/2018	Source: Office of Emergency Services
Date Data Arrived at EDR: 04/24/2018	Telephone: 916-845-8400
Date Made Active in Reports: 06/14/2018	Last EDR Contact: 07/27/2018
Number of Days to Update: 51	Next Scheduled EDR Contact: 11/05/2018
	Data Release Frequency: Semi-Annually

### LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/10/2018	Source: State Water Quality Control Board
Date Data Arrived at EDR: 09/12/2018	Telephone: 866-480-1028
Date Made Active in Reports: 10/08/2018	Last EDR Contact: 12/12/2018
Number of Days to Update: 26	Next Scheduled EDR Contact: 12/24/2018
	Data Release Frequency: Quarterly

### MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/10/2018	Source: State Water Resources Control Board
Date Data Arrived at EDR: 09/12/2018	Telephone: 866-480-1028
Date Made Active in Reports: 10/09/2018	Last EDR Contact: 12/12/2018
Number of Days to Update: 27	Next Scheduled EDR Contact: 12/24/2018
	Data Release Frequency: Quarterly

### SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 02/22/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 50	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

### **Other Ascertainable Records**

#### RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

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.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/01/2018  
Date Data Arrived at EDR: 03/28/2018  
Date Made Active in Reports: 06/22/2018  
Number of Days to Update: 86

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 09/19/2018  
Next Scheduled EDR Contact: 01/07/2019  
Data Release Frequency: Quarterly

### 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: 01/31/2015  
Date Data Arrived at EDR: 07/08/2015  
Date Made Active in Reports: 10/13/2015  
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers  
Telephone: 202-528-4285  
Last EDR Contact: 08/24/2018  
Next Scheduled EDR Contact: 12/03/2018  
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  
Date Data Arrived at EDR: 11/10/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 62

Source: USGS  
Telephone: 888-275-8747  
Last EDR Contact: 10/12/2018  
Next Scheduled EDR Contact: 01/21/2019  
Data Release Frequency: Semi-Annually

### 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: 10/12/2018  
Next Scheduled EDR Contact: 01/21/2019  
Data Release Frequency: N/A

### 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: 01/01/2017  
Date Data Arrived at EDR: 02/03/2017  
Date Made Active in Reports: 04/07/2017  
Number of Days to Update: 63

Source: Environmental Protection Agency  
Telephone: 615-532-8599  
Last EDR Contact: 08/17/2018  
Next Scheduled EDR Contact: 11/26/2018  
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: 05/31/2018  
Date Data Arrived at EDR: 06/27/2018  
Date Made Active in Reports: 10/05/2018  
Number of Days to Update: 100

Source: Environmental Protection Agency  
Telephone: 202-566-1917  
Last EDR Contact: 09/25/2018  
Next Scheduled EDR Contact: 01/07/2019  
Data Release Frequency: Quarterly



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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: 08/30/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2014	Telephone: 617-520-3000
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 08/03/2018
Number of Days to Update: 88	Next Scheduled EDR Contact: 11/19/2018
	Data Release Frequency: Quarterly

### 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: 09/30/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/08/2018	Telephone: 703-308-4044
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 08/10/2018
Number of Days to Update: 73	Next Scheduled EDR Contact: 11/19/2018
	Data Release Frequency: Varies

### 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: 12/31/2016	Source: EPA
Date Data Arrived at EDR: 06/21/2017	Telephone: 202-260-5521
Date Made Active in Reports: 01/05/2018	Last EDR Contact: 09/21/2018
Number of Days to Update: 198	Next Scheduled EDR Contact: 12/31/2018
	Data Release Frequency: Every 4 Years

### 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: 12/31/2016	Source: EPA
Date Data Arrived at EDR: 01/10/2018	Telephone: 202-566-0250
Date Made Active in Reports: 01/12/2018	Last EDR Contact: 08/24/2018
Number of Days to Update: 2	Next Scheduled EDR Contact: 12/03/2018
	Data Release Frequency: Annually

### 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	Source: EPA
Date Data Arrived at EDR: 12/10/2010	Telephone: 202-564-4203
Date Made Active in Reports: 02/25/2011	Last EDR Contact: 07/27/2018
Number of Days to Update: 77	Next Scheduled EDR Contact: 11/05/2018
	Data Release Frequency: Annually

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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: 07/17/2018	Source: EPA
Date Data Arrived at EDR: 08/09/2018	Telephone: 703-416-0223
Date Made Active in Reports: 10/05/2018	Last EDR Contact: 10/04/2018
Number of Days to Update: 57	Next Scheduled EDR Contact: 12/17/2018
	Data Release Frequency: Annually

### RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 08/01/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/22/2018	Telephone: 202-564-8600
Date Made Active in Reports: 10/05/2018	Last EDR Contact: 07/20/2018
Number of Days to Update: 44	Next Scheduled EDR Contact: 11/05/2018
	Data Release Frequency: Varies

### 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.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

### PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 10/17/2014	Telephone: 202-564-6023
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 10/04/2018
Number of Days to Update: 3	Next Scheduled EDR Contact: 11/19/2018
	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: 06/01/2017	Source: EPA
Date Data Arrived at EDR: 06/09/2017	Telephone: 202-566-0500
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 10/11/2018
Number of Days to Update: 126	Next Scheduled EDR Contact: 01/21/2019
	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: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 10/09/2018
Number of Days to Update: 79	Next Scheduled EDR Contact: 01/21/2019
	Data Release Frequency: Quarterly

### 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	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	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	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: Quarterly

### 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: 08/30/2016	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 09/08/2016	Telephone: 301-415-7169
Date Made Active in Reports: 10/21/2016	Last EDR Contact: 09/28/2018
Number of Days to Update: 43	Next Scheduled EDR Contact: 11/05/2018
	Data Release Frequency: Quarterly

### COAL ASH DOE: Steam-Electric Plant 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: 09/07/2018
Number of Days to Update: 76	Next Scheduled EDR Contact: 12/17/2018
	Data Release Frequency: Varies

### 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: 07/01/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2014	Telephone: N/A
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 09/04/2018
Number of Days to Update: 40	Next Scheduled EDR Contact: 12/17/2018
	Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### PCB TRANSFORMER: PCB Transformer Registration Database

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

Date of Government Version: 05/24/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/30/2017	Telephone: 202-566-0517
Date Made Active in Reports: 12/15/2017	Last EDR Contact: 07/27/2018
Number of Days to Update: 15	Next Scheduled EDR Contact: 11/05/2018
	Data Release Frequency: Varies

### 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: 07/02/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/05/2018	Telephone: 202-343-9775
Date Made Active in Reports: 10/05/2018	Last EDR Contact: 10/03/2018
Number of Days to Update: 92	Next Scheduled EDR Contact: 01/14/2019
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

### 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: 08/09/2018
Number of Days to Update: 42	Next Scheduled EDR Contact: 11/12/2018
	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: 06/30/2018  
Date Data Arrived at EDR: 07/17/2018  
Date Made Active in Reports: 10/05/2018  
Number of Days to Update: 80

Source: Department of Justice, Consent Decree Library  
Telephone: Varies  
Last EDR Contact: 10/01/2018  
Next Scheduled EDR Contact: 12/31/2018  
Data Release Frequency: Varies

### 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: 12/31/2015  
Date Data Arrived at EDR: 02/22/2017  
Date Made Active in Reports: 09/28/2017  
Number of Days to Update: 218

Source: EPA/NTIS  
Telephone: 800-424-9346  
Last EDR Contact: 08/24/2018  
Next Scheduled EDR Contact: 12/03/2018  
Data Release Frequency: Biennially

### 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: 12/31/2014  
Date Data Arrived at EDR: 07/14/2015  
Date Made Active in Reports: 01/10/2017  
Number of Days to Update: 546

Source: USGS  
Telephone: 202-208-3710  
Last EDR Contact: 10/09/2018  
Next Scheduled EDR Contact: 01/21/2019  
Data Release Frequency: Semi-Annually

### FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017  
Date Data Arrived at EDR: 09/11/2018  
Date Made Active in Reports: 09/14/2018  
Number of Days to Update: 3

Source: Department of Energy  
Telephone: 202-586-3559  
Last EDR Contact: 09/11/2018  
Next Scheduled EDR Contact: 11/19/2018  
Data Release Frequency: Varies

### 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: 06/23/2017  
Date Data Arrived at EDR: 10/11/2017  
Date Made Active in Reports: 11/03/2017  
Number of Days to Update: 23

Source: Department of Energy  
Telephone: 505-845-0011  
Last EDR Contact: 08/20/2018  
Next Scheduled EDR Contact: 12/03/2018  
Data Release Frequency: Varies

### LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 07/17/2018  
Date Data Arrived at EDR: 08/09/2018  
Date Made Active in Reports: 10/05/2018  
Number of Days to Update: 57

Source: Environmental Protection Agency  
Telephone: 703-603-8787  
Last EDR Contact: 10/04/2018  
Next Scheduled EDR Contact: 01/14/2019  
Data Release Frequency: Varies

### LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/05/2001  
Date Data Arrived at EDR: 10/27/2010  
Date Made Active in Reports: 12/02/2010  
Number of Days to Update: 36

Source: American Journal of Public Health  
Telephone: 703-305-6451  
Last EDR Contact: 12/02/2009  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

### US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016  
Date Data Arrived at EDR: 10/26/2016  
Date Made Active in Reports: 02/03/2017  
Number of Days to Update: 100

Source: EPA  
Telephone: 202-564-2496  
Last EDR Contact: 09/26/2017  
Next Scheduled EDR Contact: 01/08/2018  
Data Release Frequency: Annually

### US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016  
Date Data Arrived at EDR: 10/26/2016  
Date Made Active in Reports: 02/03/2017  
Number of Days to Update: 100

Source: EPA  
Telephone: 202-564-2496  
Last EDR Contact: 09/26/2017  
Next Scheduled EDR Contact: 01/08/2018  
Data Release Frequency: Annually

### US 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: 08/01/2018  
Date Data Arrived at EDR: 08/29/2018  
Date Made Active in Reports: 10/05/2018  
Number of Days to Update: 37

Source: Department of Labor, Mine Safety and Health Administration  
Telephone: 303-231-5959  
Last EDR Contact: 08/29/2018  
Next Scheduled EDR Contact: 12/10/2018  
Data Release Frequency: Semi-Annually

### US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005  
Date Data Arrived at EDR: 02/29/2008  
Date Made Active in Reports: 04/18/2008  
Number of Days to Update: 49

Source: USGS  
Telephone: 703-648-7709  
Last EDR Contact: 08/31/2018  
Next Scheduled EDR Contact: 12/10/2018  
Data Release Frequency: Varies

### US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011  
Date Data Arrived at EDR: 06/08/2011  
Date Made Active in Reports: 09/13/2011  
Number of Days to Update: 97

Source: USGS  
Telephone: 703-648-7709  
Last EDR Contact: 08/31/2018  
Next Scheduled EDR Contact: 12/10/2018  
Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 09/10/2018	Source: Department of Interior
Date Data Arrived at EDR: 09/11/2018	Telephone: 202-208-2609
Date Made Active in Reports: 09/14/2018	Last EDR Contact: 09/10/2018
Number of Days to Update: 3	Next Scheduled EDR Contact: 12/24/2018
	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: 08/07/2018	Source: EPA
Date Data Arrived at EDR: 09/05/2018	Telephone: (415) 947-8000
Date Made Active in Reports: 10/05/2018	Last EDR Contact: 09/18/2018
Number of Days to Update: 30	Next Scheduled EDR Contact: 12/17/2018
	Data Release Frequency: Quarterly

### DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/31/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/26/2018	Telephone: 202-564-0527
Date Made Active in Reports: 10/05/2018	Last EDR Contact: 08/31/2018
Number of Days to Update: 71	Next Scheduled EDR Contact: 12/10/2018
	Data Release Frequency: Varies

### UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/30/2017	Source: Department of Defense
Date Data Arrived at EDR: 06/19/2018	Telephone: 703-704-1564
Date Made Active in Reports: 09/14/2018	Last EDR Contact: 10/15/2018
Number of Days to Update: 87	Next Scheduled EDR Contact: 01/28/2019
	Data Release Frequency: Varies

### ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 09/02/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/05/2018	Telephone: 202-564-2280
Date Made Active in Reports: 09/14/2018	Last EDR Contact: 09/05/2018
Number of Days to Update: 9	Next Scheduled EDR Contact: 12/17/2018
	Data Release Frequency: Quarterly

### FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/22/2018  
Date Data Arrived at EDR: 08/22/2018  
Date Made Active in Reports: 10/05/2018  
Number of Days to Update: 44

Source: EPA  
Telephone: 800-385-6164  
Last EDR Contact: 08/22/2018  
Next Scheduled EDR Contact: 12/03/2018  
Data Release Frequency: Quarterly

### 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

### 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: 09/24/2018  
Date Data Arrived at EDR: 09/25/2018  
Date Made Active in Reports: 10/16/2018  
Number of Days to Update: 21

Source: CAL EPA/Office of Emergency Information  
Telephone: 916-323-3400  
Last EDR Contact: 09/25/2018  
Next Scheduled EDR Contact: 01/07/2019  
Data Release Frequency: Quarterly

### CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 04/03/2018  
Date Data Arrived at EDR: 05/07/2018  
Date Made Active in Reports: 06/15/2018  
Number of Days to Update: 39

Source: Livermore-Pleasanton Fire Department  
Telephone: 925-454-2361  
Last EDR Contact: 08/24/2018  
Next Scheduled EDR Contact: 11/26/2018  
Data Release Frequency: Varies

### CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 09/11/2018  
Date Data Arrived at EDR: 09/12/2018  
Date Made Active in Reports: 09/19/2018  
Number of Days to Update: 7

Source: San Francisco County Department of Environmental Health  
Telephone: 415-252-3896  
Last EDR Contact: 08/01/2018  
Next Scheduled EDR Contact: 11/19/2018  
Data Release Frequency: Varies

### DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 08/24/2018  
Date Data Arrived at EDR: 08/30/2018  
Date Made Active in Reports: 10/01/2018  
Number of Days to Update: 32

Source: South Coast Air Quality Management District  
Telephone: 909-396-3211  
Last EDR Contact: 10/05/2018  
Next Scheduled EDR Contact: 12/10/2018  
Data Release Frequency: Varies

### 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.



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/31/2018  
Date Data Arrived at EDR: 06/20/2018  
Date Made Active in Reports: 08/06/2018  
Number of Days to Update: 47

Source: Department of Toxic Substance Control  
Telephone: 916-327-4498  
Last EDR Contact: 08/29/2018  
Next Scheduled EDR Contact: 12/17/2018  
Data Release Frequency: Annually

### DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 06/25/2018  
Date Data Arrived at EDR: 06/28/2018  
Date Made Active in Reports: 08/06/2018  
Number of Days to Update: 39

Source: Antelope Valley Air Quality Management District  
Telephone: 661-723-8070  
Last EDR Contact: 10/15/2018  
Next Scheduled EDR Contact: 12/17/2018  
Data Release Frequency: Varies

### EMI: Emissions Inventory Data

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

Date of Government Version: 12/31/2017  
Date Data Arrived at EDR: 06/20/2018  
Date Made Active in Reports: 08/06/2018  
Number of Days to Update: 47

Source: California Air Resources Board  
Telephone: 916-322-2990  
Last EDR Contact: 09/21/2018  
Next Scheduled EDR Contact: 12/31/2018  
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: 08/01/2018  
Date Data Arrived at EDR: 08/02/2018  
Date Made Active in Reports: 09/07/2018  
Number of Days to Update: 36

Source: State Water Resources Control Board  
Telephone: 916-445-9379  
Last EDR Contact: 08/01/2018  
Next Scheduled EDR Contact: 11/05/2018  
Data Release Frequency: Varies

### Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 07/17/2018  
Date Data Arrived at EDR: 07/24/2018  
Date Made Active in Reports: 09/10/2018  
Number of Days to Update: 48

Source: Department of Toxic Substances Control  
Telephone: 916-255-3628  
Last EDR Contact: 07/17/2018  
Next Scheduled EDR Contact: 11/05/2018  
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: 08/14/2018  
Date Data Arrived at EDR: 08/16/2018  
Date Made Active in Reports: 09/10/2018  
Number of Days to Update: 25

Source: California Integrated Waste Management Board  
Telephone: 916-341-6066  
Last EDR Contact: 08/07/2018  
Next Scheduled EDR Contact: 11/26/2018  
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. This database begins with calendar year 1993.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2016  
Date Data Arrived at EDR: 07/12/2017  
Date Made Active in Reports: 10/17/2017  
Number of Days to Update: 97

Source: California Environmental Protection Agency  
Telephone: 916-255-1136  
Last EDR Contact: 10/10/2018  
Next Scheduled EDR Contact: 01/21/2019  
Data Release Frequency: Annually

### ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 08/20/2018  
Date Data Arrived at EDR: 08/21/2018  
Date Made Active in Reports: 09/10/2018  
Number of Days to Update: 20

Source: Department of Toxic Substances Control  
Telephone: 877-786-9427  
Last EDR Contact: 08/21/2018  
Next Scheduled EDR Contact: 12/03/2018  
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 [CALSITES]. This listing is no longer updated by the state agency.

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

### HWP: EnviroStor Permitted Facilities Listing

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

Date of Government Version: 08/20/2018  
Date Data Arrived at EDR: 08/21/2018  
Date Made Active in Reports: 09/10/2018  
Number of Days to Update: 20

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 08/21/2018  
Next Scheduled EDR Contact: 12/03/2018  
Data Release Frequency: Quarterly

### 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: 07/09/2018  
Date Data Arrived at EDR: 07/11/2018  
Date Made Active in Reports: 08/24/2018  
Number of Days to Update: 44

Source: Department of Toxic Substances Control  
Telephone: 916-440-7145  
Last EDR Contact: 10/10/2018  
Next Scheduled EDR Contact: 01/21/2019  
Data Release Frequency: Quarterly

### MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 09/10/2018  
Date Data Arrived at EDR: 09/12/2018  
Date Made Active in Reports: 10/09/2018  
Number of Days to Update: 27

Source: Department of Conservation  
Telephone: 916-322-1080  
Last EDR Contact: 09/12/2018  
Next Scheduled EDR Contact: 12/24/2018  
Data Release Frequency: Quarterly

### 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.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/28/2018  
Date Data Arrived at EDR: 09/05/2018  
Date Made Active in Reports: 10/03/2018  
Number of Days to Update: 28

Source: Department of Public Health  
Telephone: 916-558-1784  
Last EDR Contact: 09/05/2018  
Next Scheduled EDR Contact: 12/17/2018  
Data Release Frequency: Varies

### NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 08/09/2018  
Date Data Arrived at EDR: 08/10/2018  
Date Made Active in Reports: 09/10/2018  
Number of Days to Update: 31

Source: State Water Resources Control Board  
Telephone: 916-445-9379  
Last EDR Contact: 08/10/2018  
Next Scheduled EDR Contact: 11/26/2018  
Data Release Frequency: Quarterly

### PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 09/04/2018  
Date Data Arrived at EDR: 09/05/2018  
Date Made Active in Reports: 10/03/2018  
Number of Days to Update: 28

Source: Department of Pesticide Regulation  
Telephone: 916-445-4038  
Last EDR Contact: 09/05/2018  
Next Scheduled EDR Contact: 12/17/2018  
Data Release Frequency: Quarterly

### PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 09/10/2018  
Date Data Arrived at EDR: 09/12/2018  
Date Made Active in Reports: 10/15/2018  
Number of Days to Update: 33

Source: Department of Conservation  
Telephone: 916-323-3836  
Last EDR Contact: 09/12/2018  
Next Scheduled EDR Contact: 12/24/2018  
Data Release Frequency: Quarterly

### 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: 06/18/2018  
Date Data Arrived at EDR: 06/20/2018  
Date Made Active in Reports: 08/06/2018  
Number of Days to Update: 47

Source: State Water Resources Control Board  
Telephone: 916-445-3846  
Last EDR Contact: 09/17/2018  
Next Scheduled EDR Contact: 12/31/2018  
Data Release Frequency: No Update Planned

### UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 04/27/2018  
Date Data Arrived at EDR: 06/13/2018  
Date Made Active in Reports: 07/17/2018  
Number of Days to Update: 34

Source: Department of Conservation  
Telephone: 916-445-2408  
Last EDR Contact: 09/13/2018  
Next Scheduled EDR Contact: 12/24/2018  
Data Release Frequency: Varies

### WASTEWATER PITS: Oil Wastewater Pits Listing

Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/08/2018  
Date Data Arrived at EDR: 07/11/2018  
Date Made Active in Reports: 09/13/2018  
Number of Days to Update: 64

Source: RWQCB, Central Valley Region  
Telephone: 559-445-5577  
Last EDR Contact: 10/12/2018  
Next Scheduled EDR Contact: 01/21/2019  
Data Release Frequency: Varies

### 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: 08/17/2018  
Next Scheduled EDR Contact: 12/03/2018  
Data Release Frequency: Quarterly

### 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: 09/25/2018  
Next Scheduled EDR Contact: 01/07/2019  
Data Release Frequency: Varies

### CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 09/04/2018  
Date Data Arrived at EDR: 09/05/2018  
Date Made Active in Reports: 10/02/2018  
Number of Days to Update: 27

Source: State Water Resources Control Board  
Telephone: 866-794-4977  
Last EDR Contact: 09/05/2018  
Next Scheduled EDR Contact: 12/17/2018  
Data Release Frequency: Varies

### WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 09/10/2018  
Date Data Arrived at EDR: 09/12/2018  
Date Made Active in Reports: 10/09/2018  
Number of Days to Update: 27

Source: State Water Resources Control Board  
Telephone: 916-341-5810  
Last EDR Contact: 09/12/2018  
Next Scheduled EDR Contact: 12/24/2018  
Data Release Frequency: Quarterly

### WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)

Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 09/10/2018  
Date Data Arrived at EDR: 09/12/2018  
Date Made Active in Reports: 10/09/2018  
Number of Days to Update: 27

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 12/12/2018  
Next Scheduled EDR Contact: 12/24/2018  
Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)

Military privatized sites

Date of Government Version: 09/10/2018  
Date Data Arrived at EDR: 09/12/2018  
Date Made Active in Reports: 10/09/2018  
Number of Days to Update: 27

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 12/12/2018  
Next Scheduled EDR Contact: 12/24/2018  
Data Release Frequency: Varies

### OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 09/10/2018  
Date Data Arrived at EDR: 09/12/2018  
Date Made Active in Reports: 10/09/2018  
Number of Days to Update: 27

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 12/12/2018  
Next Scheduled EDR Contact: 12/24/2018  
Data Release Frequency: Varies

### CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 07/23/2018  
Date Data Arrived at EDR: 07/25/2018  
Date Made Active in Reports: 09/05/2018  
Number of Days to Update: 42

Source: California Environmental Protection Agency  
Telephone: 916-323-2514  
Last EDR Contact: 07/25/2018  
Next Scheduled EDR Contact: 11/05/2018  
Data Release Frequency: Varies

### UIC GEO: Underground Injection Control Sites (GEOTRACKER)

Underground control injection sites

Date of Government Version: 09/10/2018  
Date Data Arrived at EDR: 09/12/2018  
Date Made Active in Reports: 10/09/2018  
Number of Days to Update: 27

Source: State Water Resource Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 12/12/2018  
Next Scheduled EDR Contact: 12/24/2018  
Data Release Frequency: Varies

### SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 09/10/2018  
Date Data Arrived at EDR: 09/12/2018  
Date Made Active in Reports: 10/09/2018  
Number of Days to Update: 27

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 12/12/2018  
Next Scheduled EDR Contact: 12/24/2018  
Data Release Frequency: Varies

### NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 09/10/2018  
Date Data Arrived at EDR: 09/12/2018  
Date Made Active in Reports: 10/09/2018  
Number of Days to Update: 27

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 12/12/2018  
Next Scheduled EDR Contact: 12/24/2018  
Data Release Frequency: Varies

### PROJECT: Project Sites (GEOTRACKER)

Projects sites

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/10/2018  
Date Data Arrived at EDR: 09/12/2018  
Date Made Active in Reports: 10/09/2018  
Number of Days to Update: 27

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 12/12/2018  
Next Scheduled EDR Contact: 12/24/2018  
Data Release Frequency: Varies

### PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 09/10/2018  
Date Data Arrived at EDR: 09/12/2018  
Date Made Active in Reports: 10/09/2018  
Number of Days to Update: 27

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 12/12/2018  
Next Scheduled EDR Contact: 12/24/2018  
Data Release Frequency: Varies

### EDR HIGH RISK HISTORICAL RECORDS

#### ***EDR Exclusive Records***

##### EDR MGP: 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 Hist Auto: EDR Exclusive Historical Auto 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. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

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 Hist Cleaner: EDR Exclusive Historical 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. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 RECOVERED GOVERNMENT ARCHIVES**

#### ***Exclusive Recovered Govt. Archives***

##### **RGA LF: Recovered Government Archive Solid Waste Facilities List**

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A  
Date Data Arrived at EDR: 07/01/2013  
Date Made Active in Reports: 01/13/2014  
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery  
Telephone: N/A  
Last EDR Contact: 06/01/2012  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

##### **RGA LUST: Recovered Government Archive Leaking Underground Storage Tank**

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A  
Date Data Arrived at EDR: 07/01/2013  
Date Made Active in Reports: 12/30/2013  
Number of Days to Update: 182

Source: State Water Resources Control Board  
Telephone: N/A  
Last EDR Contact: 06/01/2012  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

### **COUNTY RECORDS**

#### **ALAMEDA COUNTY:**

##### **CS ALAMEDA: 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: 08/03/2018  
Date Data Arrived at EDR: 08/06/2018  
Date Made Active in Reports: 09/05/2018  
Number of Days to Update: 30

Source: Alameda County Environmental Health Services  
Telephone: 510-567-6700  
Last EDR Contact: 10/05/2018  
Next Scheduled EDR Contact: 01/21/2019  
Data Release Frequency: Semi-Annually

##### **UST ALAMEDA: Underground Tanks**

Underground storage tank sites located in Alameda county.

Date of Government Version: 07/06/2018  
Date Data Arrived at EDR: 07/10/2018  
Date Made Active in Reports: 09/11/2018  
Number of Days to Update: 63

Source: Alameda County Environmental Health Services  
Telephone: 510-567-6700  
Last EDR Contact: 10/05/2018  
Next Scheduled EDR Contact: 04/24/2047  
Data Release Frequency: Semi-Annually

#### **AMADOR COUNTY:**

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### CUPA AMADOR: CUPA Facility List Cupa Facility List

Date of Government Version: 07/01/2018  
Date Data Arrived at EDR: 07/24/2018  
Date Made Active in Reports: 08/20/2018  
Number of Days to Update: 27

Source: Amador County Environmental Health  
Telephone: 209-223-6439  
Last EDR Contact: 08/29/2018  
Next Scheduled EDR Contact: 12/17/2018  
Data Release Frequency: Varies

### BUTTE COUNTY:

#### CUPA BUTTE: CUPA Facility Listing Cupa facility list.

Date of Government Version: 04/21/2017  
Date Data Arrived at EDR: 04/25/2017  
Date Made Active in Reports: 08/09/2017  
Number of Days to Update: 106

Source: Public Health Department  
Telephone: 530-538-7149  
Last EDR Contact: 10/05/2018  
Next Scheduled EDR Contact: 01/21/2019  
Data Release Frequency: No Update Planned

### CALVERAS COUNTY:

#### CUPA CALVERAS: CUPA Facility Listing Cupa Facility Listing

Date of Government Version: 08/02/2018  
Date Data Arrived at EDR: 08/06/2018  
Date Made Active in Reports: 08/20/2018  
Number of Days to Update: 14

Source: Calveras County Environmental Health  
Telephone: 209-754-6399  
Last EDR Contact: 09/24/2018  
Next Scheduled EDR Contact: 01/07/2019  
Data Release Frequency: Quarterly

### COLUSA COUNTY:

#### CUPA COLUSA: CUPA Facility List Cupa facility list.

Date of Government Version: 05/23/2018  
Date Data Arrived at EDR: 05/24/2018  
Date Made Active in Reports: 07/13/2018  
Number of Days to Update: 50

Source: Health & Human Services  
Telephone: 530-458-0396  
Last EDR Contact: 08/17/2018  
Next Scheduled EDR Contact: 11/19/2018  
Data Release Frequency: Semi-Annually

### CONTRA COSTA COUNTY:

#### SL CONTRA COSTA: Site List

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

Date of Government Version: 08/20/2018  
Date Data Arrived at EDR: 08/21/2018  
Date Made Active in Reports: 09/11/2018  
Number of Days to Update: 21

Source: Contra Costa Health Services Department  
Telephone: 925-646-2286  
Last EDR Contact: 07/30/2018  
Next Scheduled EDR Contact: 11/12/2018  
Data Release Frequency: Semi-Annually

### DEL NORTE COUNTY:



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### CUPA DEL NORTE: CUPA Facility List Cupa Facility list

Date of Government Version: 04/27/2018  
Date Data Arrived at EDR: 05/02/2018  
Date Made Active in Reports: 06/15/2018  
Number of Days to Update: 44

Source: Del Norte County Environmental Health Division  
Telephone: 707-465-0426  
Last EDR Contact: 07/24/2018  
Next Scheduled EDR Contact: 11/12/2018  
Data Release Frequency: Varies

### EL DORADO COUNTY:

#### CUPA EL DORADO: CUPA Facility List CUPA facility list.

Date of Government Version: 09/04/2018  
Date Data Arrived at EDR: 09/05/2018  
Date Made Active in Reports: 09/18/2018  
Number of Days to Update: 13

Source: El Dorado County Environmental Management Department  
Telephone: 530-621-6623  
Last EDR Contact: 07/30/2018  
Next Scheduled EDR Contact: 11/12/2018  
Data Release Frequency: Varies

### FRESNO COUNTY:

#### CUPA FRESNO: CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 07/11/2018  
Date Data Arrived at EDR: 07/17/2018  
Date Made Active in Reports: 08/30/2018  
Number of Days to Update: 44

Source: Dept. of Community Health  
Telephone: 559-445-3271  
Last EDR Contact: 10/15/2018  
Next Scheduled EDR Contact: 01/14/2019  
Data Release Frequency: Semi-Annually

### GLENN COUNTY:

#### CUPA GLENN: CUPA Facility List Cupa facility list

Date of Government Version: 01/22/2018  
Date Data Arrived at EDR: 01/24/2018  
Date Made Active in Reports: 03/14/2018  
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District  
Telephone: 830-934-6500  
Last EDR Contact: 07/17/2018  
Next Scheduled EDR Contact: 11/05/2018  
Data Release Frequency: Varies

### HUMBOLDT COUNTY:

#### CUPA HUMBOLDT: CUPA Facility List CUPA facility list.

Date of Government Version: 07/11/2018  
Date Data Arrived at EDR: 07/13/2018  
Date Made Active in Reports: 08/22/2018  
Number of Days to Update: 40

Source: Humboldt County Environmental Health  
Telephone: N/A  
Last EDR Contact: 08/20/2018  
Next Scheduled EDR Contact: 12/03/2018  
Data Release Frequency: Semi-Annually

### IMPERIAL COUNTY:

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### CUPA IMPERIAL: CUPA Facility List Cupa facility list.

Date of Government Version: 07/17/2018  
Date Data Arrived at EDR: 07/24/2018  
Date Made Active in Reports: 09/05/2018  
Number of Days to Update: 43

Source: San Diego Border Field Office  
Telephone: 760-339-2777  
Last EDR Contact: 07/17/2018  
Next Scheduled EDR Contact: 11/05/2018  
Data Release Frequency: Varies

### INYO COUNTY:

#### CUPA INYO: CUPA Facility List Cupa facility list.

Date of Government Version: 04/02/2018  
Date Data Arrived at EDR: 04/03/2018  
Date Made Active in Reports: 06/14/2018  
Number of Days to Update: 22

Source: Inyo County Environmental Health Services  
Telephone: 760-878-0238  
Last EDR Contact: 10/15/2018  
Next Scheduled EDR Contact: 12/03/2018  
Data Release Frequency: Varies

### KERN COUNTY:

#### UST KERN: Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 07/20/2018  
Date Data Arrived at EDR: 07/25/2018  
Date Made Active in Reports: 09/12/2018  
Number of Days to Update: 49

Source: Kern County Environment Health Services Department  
Telephone: 661-862-8700  
Last EDR Contact: 07/20/2018  
Next Scheduled EDR Contact: 11/19/2018  
Data Release Frequency: Quarterly

### KINGS COUNTY:

#### CUPA KINGS: CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/23/2018  
Date Data Arrived at EDR: 08/24/2018  
Date Made Active in Reports: 09/18/2018  
Number of Days to Update: 25

Source: Kings County Department of Public Health  
Telephone: 559-584-1411  
Last EDR Contact: 08/17/2018  
Next Scheduled EDR Contact: 12/03/2018  
Data Release Frequency: Varies

### LAKE COUNTY:

#### CUPA LAKE: CUPA Facility List Cupa facility list

Date of Government Version: 08/08/2018  
Date Data Arrived at EDR: 08/09/2018  
Date Made Active in Reports: 08/22/2018  
Number of Days to Update: 13

Source: Lake County Environmental Health  
Telephone: 707-263-1164  
Last EDR Contact: 10/15/2018  
Next Scheduled EDR Contact: 01/28/2019  
Data Release Frequency: Varies

### LASSEN COUNTY:

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### CUPA LASSEN: CUPA Facility List Cupa facility list

Date of Government Version: 07/27/2018  
Date Data Arrived at EDR: 08/06/2018  
Date Made Active in Reports: 09/05/2018  
Number of Days to Update: 30

Source: Lassen County Environmental Health  
Telephone: 530-251-8528  
Last EDR Contact: 08/01/2018  
Next Scheduled EDR Contact: 11/05/2018  
Data Release Frequency: Varies

### LOS ANGELES COUNTY:

#### AOCOCONCERN: 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: 09/17/2018  
Next Scheduled EDR Contact: 12/31/2018  
Data Release Frequency: No Update Planned

#### HMS LOS ANGELES: HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 07/02/2018  
Date Data Arrived at EDR: 07/13/2018  
Date Made Active in Reports: 09/10/2018  
Number of Days to Update: 59

Source: Department of Public Works  
Telephone: 626-458-3517  
Last EDR Contact: 10/05/2018  
Next Scheduled EDR Contact: 01/21/2019  
Data Release Frequency: Semi-Annually

#### LF LOS ANGELES: List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 07/16/2018  
Date Data Arrived at EDR: 07/18/2018  
Date Made Active in Reports: 08/24/2018  
Number of Days to Update: 37

Source: La County Department of Public Works  
Telephone: 818-458-5185  
Last EDR Contact: 10/16/2018  
Next Scheduled EDR Contact: 01/28/2019  
Data Release Frequency: Varies

#### LF LOS ANGELES CITY: City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2018  
Date Data Arrived at EDR: 05/01/2018  
Date Made Active in Reports: 05/14/2018  
Number of Days to Update: 13

Source: Engineering & Construction Division  
Telephone: 213-473-7869  
Last EDR Contact: 10/15/2018  
Next Scheduled EDR Contact: 01/28/2019  
Data Release Frequency: Varies

#### SITE MIT LOS ANGELES: Site Mitigation List

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

Date of Government Version: 04/01/2018  
Date Data Arrived at EDR: 04/17/2018  
Date Made Active in Reports: 06/19/2018  
Number of Days to Update: 63

Source: Community Health Services  
Telephone: 323-890-7806  
Last EDR Contact: 10/16/2018  
Next Scheduled EDR Contact: 01/28/2019  
Data Release Frequency: Annually

#### UST EL SEGUNDO: City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/21/2017  
Date Data Arrived at EDR: 04/19/2017  
Date Made Active in Reports: 05/10/2017  
Number of Days to Update: 21

Source: City of El Segundo Fire Department  
Telephone: 310-524-2236  
Last EDR Contact: 10/15/2018  
Next Scheduled EDR Contact: 01/28/2019  
Data Release Frequency: Semi-Annually

UST LONG BEACH: City of Long Beach Underground Storage Tank  
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/09/2017  
Date Data Arrived at EDR: 03/10/2017  
Date Made Active in Reports: 05/03/2017  
Number of Days to Update: 54

Source: City of Long Beach Fire Department  
Telephone: 562-570-2563  
Last EDR Contact: 07/17/2018  
Next Scheduled EDR Contact: 11/05/2018  
Data Release Frequency: Annually

UST TORRANCE: City of Torrance Underground Storage Tank  
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 01/04/2018  
Date Data Arrived at EDR: 01/05/2018  
Date Made Active in Reports: 01/18/2018  
Number of Days to Update: 13

Source: City of Torrance Fire Department  
Telephone: 310-618-2973  
Last EDR Contact: 10/05/2018  
Next Scheduled EDR Contact: 01/21/2019  
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/30/2018  
Date Data Arrived at EDR: 09/04/2018  
Date Made Active in Reports: 09/19/2018  
Number of Days to Update: 15

Source: Madera County Environmental Health  
Telephone: 559-675-7823  
Last EDR Contact: 08/17/2018  
Next Scheduled EDR Contact: 12/03/2018  
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites  
Currently permitted USTs in Marin County.

Date of Government Version: 07/11/2018  
Date Data Arrived at EDR: 07/17/2018  
Date Made Active in Reports: 09/12/2018  
Number of Days to Update: 57

Source: Public Works Department Waste Management  
Telephone: 415-473-6647  
Last EDR Contact: 10/01/2018  
Next Scheduled EDR Contact: 01/14/2019  
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List  
CUPA facility list.

Date of Government Version: 08/29/2018  
Date Data Arrived at EDR: 08/31/2018  
Date Made Active in Reports: 09/19/2018  
Number of Days to Update: 19

Source: Merced County Environmental Health  
Telephone: 209-381-1094  
Last EDR Contact: 08/29/2018  
Next Scheduled EDR Contact: 12/03/2018  
Data Release Frequency: Varies

MONO COUNTY:

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### CUPA MONO: CUPA Facility List CUPA Facility List

Date of Government Version: 07/18/2018  
Date Data Arrived at EDR: 09/04/2018  
Date Made Active in Reports: 09/19/2018  
Number of Days to Update: 15

Source: Mono County Health Department  
Telephone: 760-932-5580  
Last EDR Contact: 08/24/2018  
Next Scheduled EDR Contact: 12/10/2018  
Data Release Frequency: Varies

### MONTEREY COUNTY:

#### CUPA MONTEREY: CUPA Facility Listing CUPA Program listing from the Environmental Health Division.

Date of Government Version: 07/30/2018  
Date Data Arrived at EDR: 08/02/2018  
Date Made Active in Reports: 09/05/2018  
Number of Days to Update: 34

Source: Monterey County Health Department  
Telephone: 831-796-1297  
Last EDR Contact: 10/01/2018  
Next Scheduled EDR Contact: 01/14/2019  
Data Release Frequency: Varies

### NAPA COUNTY:

#### LUST NAPA: Sites With Reported Contamination

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

Date of Government Version: 01/09/2017  
Date Data Arrived at EDR: 01/11/2017  
Date Made Active in Reports: 03/02/2017  
Number of Days to Update: 50

Source: Napa County Department of Environmental Management  
Telephone: 707-253-4269  
Last EDR Contact: 08/24/2018  
Next Scheduled EDR Contact: 12/10/2018  
Data Release Frequency: No Update Planned

#### UST NAPA: Closed and Operating Underground Storage Tank Sites Underground storage tank sites located in Napa county.

Date of Government Version: 08/27/2018  
Date Data Arrived at EDR: 08/28/2018  
Date Made Active in Reports: 10/03/2018  
Number of Days to Update: 36

Source: Napa County Department of Environmental Management  
Telephone: 707-253-4269  
Last EDR Contact: 08/24/2018  
Next Scheduled EDR Contact: 12/10/2018  
Data Release Frequency: No Update Planned

### NEVADA COUNTY:

#### CUPA NEVADA: CUPA Facility List CUPA facility list.

Date of Government Version: 07/31/2018  
Date Data Arrived at EDR: 08/02/2018  
Date Made Active in Reports: 09/05/2018  
Number of Days to Update: 34

Source: Community Development Agency  
Telephone: 530-265-1467  
Last EDR Contact: 07/24/2018  
Next Scheduled EDR Contact: 11/12/2018  
Data Release Frequency: Varies

### ORANGE COUNTY:

#### IND\_SITE ORANGE: List of Industrial Site Cleanups Petroleum and non-petroleum spills.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/13/2018  
Date Data Arrived at EDR: 08/08/2018  
Date Made Active in Reports: 09/10/2018  
Number of Days to Update: 33

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 05/07/2018  
Next Scheduled EDR Contact: 11/19/2018  
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups  
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 07/13/2018  
Date Data Arrived at EDR: 08/08/2018  
Date Made Active in Reports: 09/10/2018  
Number of Days to Update: 33

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 08/03/2018  
Next Scheduled EDR Contact: 11/19/2018  
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities  
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 07/13/2018  
Date Data Arrived at EDR: 08/06/2018  
Date Made Active in Reports: 09/12/2018  
Number of Days to Update: 37

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 08/06/2018  
Next Scheduled EDR Contact: 11/19/2018  
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 09/04/2018  
Date Data Arrived at EDR: 09/06/2018  
Date Made Active in Reports: 10/03/2018  
Number of Days to Update: 27

Source: Placer County Health and Human Services  
Telephone: 530-745-2363  
Last EDR Contact: 08/29/2018  
Next Scheduled EDR Contact: 12/17/2018  
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List

Plumas County CUPA Program facilities.

Date of Government Version: 07/19/2018  
Date Data Arrived at EDR: 07/25/2018  
Date Made Active in Reports: 09/05/2018  
Number of Days to Update: 42

Source: Plumas County Environmental Health  
Telephone: 530-283-6355  
Last EDR Contact: 07/17/2018  
Next Scheduled EDR Contact: 11/05/2018  
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites  
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 10/10/2018  
Date Data Arrived at EDR: 10/12/2018  
Date Made Active in Reports: 10/16/2018  
Number of Days to Update: 4

Source: Department of Environmental Health  
Telephone: 951-358-5055  
Last EDR Contact: 09/17/2018  
Next Scheduled EDR Contact: 12/31/2018  
Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### UST RIVERSIDE: Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 07/09/2018

Date Data Arrived at EDR: 07/13/2018

Date Made Active in Reports: 09/12/2018

Number of Days to Update: 61

Source: Department of Environmental Health

Telephone: 951-358-5055

Last EDR Contact: 09/17/2018

Next Scheduled EDR Contact: 12/31/2018

Data Release Frequency: Quarterly

### SACRAMENTO COUNTY:

#### CS SACRAMENTO: Toxic Site Clean-Up List

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

Date of Government Version: 05/07/2018

Date Data Arrived at EDR: 07/03/2018

Date Made Active in Reports: 08/13/2018

Number of Days to Update: 41

Source: Sacramento County Environmental Management

Telephone: 916-875-8406

Last EDR Contact: 10/02/2018

Next Scheduled EDR Contact: 01/14/2019

Data Release Frequency: Quarterly

#### ML SACRAMENTO: 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: 05/14/2018

Date Data Arrived at EDR: 07/03/2018

Date Made Active in Reports: 08/13/2018

Number of Days to Update: 41

Source: Sacramento County Environmental Management

Telephone: 916-875-8406

Last EDR Contact: 10/02/2018

Next Scheduled EDR Contact: 01/14/2019

Data Release Frequency: Quarterly

### SAN BENITO COUNTY:

#### CUPA SAN BENITO: CUPA Facility List

Cupa facility list

Date of Government Version: 08/07/2018

Date Data Arrived at EDR: 08/09/2018

Date Made Active in Reports: 09/05/2018

Number of Days to Update: 27

Source: San Benito County Environmental Health

Telephone: N/A

Last EDR Contact: 08/01/2018

Next Scheduled EDR Contact: 11/19/2018

Data Release Frequency: Varies

### SAN BERNARDINO COUNTY:

#### PERMITS SAN BERNARDINO: 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: 07/27/2018

Date Data Arrived at EDR: 07/31/2018

Date Made Active in Reports: 09/10/2018

Number of Days to Update: 41

Source: San Bernardino County Fire Department Hazardous Materials Division

Telephone: 909-387-3041

Last EDR Contact: 07/24/2018

Next Scheduled EDR Contact: 11/19/2018

Data Release Frequency: Quarterly

### SAN DIEGO COUNTY:

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### HMMD SAN DIEGO: 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.)

Date of Government Version: 06/04/2018  
Date Data Arrived at EDR: 06/06/2018  
Date Made Active in Reports: 07/17/2018  
Number of Days to Update: 41

Source: Hazardous Materials Management Division  
Telephone: 619-338-2268  
Last EDR Contact: 09/06/2018  
Next Scheduled EDR Contact: 12/17/2018  
Data Release Frequency: Quarterly

### LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 04/18/2018  
Date Data Arrived at EDR: 04/24/2018  
Date Made Active in Reports: 06/19/2018  
Number of Days to Update: 56

Source: Department of Health Services  
Telephone: 619-338-2209  
Last EDR Contact: 07/17/2018  
Next Scheduled EDR Contact: 11/05/2018  
Data Release Frequency: Varies

### SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/17/2018  
Date Data Arrived at EDR: 07/24/2018  
Date Made Active in Reports: 08/24/2018  
Number of Days to Update: 31

Source: Department of Environmental Health  
Telephone: 858-505-6874  
Last EDR Contact: 07/17/2018  
Next Scheduled EDR Contact: 11/05/2018  
Data Release Frequency: Varies

### SAN DIEGO CO. SAM: 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: 08/29/2018  
Next Scheduled EDR Contact: 12/17/2018  
Data Release Frequency: No Update Planned

### SAN FRANCISCO COUNTY:

#### LUST SAN FRANCISCO: 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: 08/01/2018  
Next Scheduled EDR Contact: 11/19/2018  
Data Release Frequency: Quarterly

#### UST SAN FRANCISCO: Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/17/2018  
Date Data Arrived at EDR: 09/18/2018  
Date Made Active in Reports: 10/03/2018  
Number of Days to Update: 15

Source: Department of Public Health  
Telephone: 415-252-3920  
Last EDR Contact: 08/01/2018  
Next Scheduled EDR Contact: 11/19/2018  
Data Release Frequency: Quarterly

### SAN JOAQUIN COUNTY:

#### UST SAN JOAQUIN: San Joaquin Co. UST

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

Date of Government Version: 06/22/2018  
Date Data Arrived at EDR: 06/26/2018  
Date Made Active in Reports: 07/11/2018  
Number of Days to Update: 15

Source: Environmental Health Department  
Telephone: N/A  
Last EDR Contact: 09/17/2018  
Next Scheduled EDR Contact: 12/31/2018  
Data Release Frequency: Semi-Annually

### SAN LUIS OBISPO COUNTY:

#### CUPA SAN LUIS OBISPO: CUPA Facility List Cupa Facility List.

Date of Government Version: 08/20/2018  
Date Data Arrived at EDR: 08/21/2018  
Date Made Active in Reports: 09/07/2018  
Number of Days to Update: 17

Source: San Luis Obispo County Public Health Department  
Telephone: 805-781-5596  
Last EDR Contact: 08/17/2018  
Next Scheduled EDR Contact: 12/03/2018  
Data Release Frequency: Varies

### SAN MATEO COUNTY:

#### BI SAN MATEO: Business Inventory

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

Date of Government Version: 06/12/2018  
Date Data Arrived at EDR: 06/15/2018  
Date Made Active in Reports: 08/06/2018  
Number of Days to Update: 52

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 09/10/2018  
Next Scheduled EDR Contact: 12/24/2018  
Data Release Frequency: Annually

#### LUST SAN MATEO: Fuel Leak List

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

Date of Government Version: 09/18/2018  
Date Data Arrived at EDR: 09/20/2018  
Date Made Active in Reports: 10/17/2018  
Number of Days to Update: 27

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 09/10/2018  
Next Scheduled EDR Contact: 12/24/2018  
Data Release Frequency: Semi-Annually

### SANTA BARBARA COUNTY:

#### CUPA SANTA BARBARA: CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011  
Date Data Arrived at EDR: 09/09/2011  
Date Made Active in Reports: 10/07/2011  
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department  
Telephone: 805-686-8167  
Last EDR Contact: 08/17/2018  
Next Scheduled EDR Contact: 12/03/2018  
Data Release Frequency: Varies

### SANTA CLARA COUNTY:

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### CUPA SANTA CLARA: Cupa Facility List Cupa facility list

Date of Government Version: 08/17/2018  
Date Data Arrived at EDR: 08/22/2018  
Date Made Active in Reports: 09/07/2018  
Number of Days to Update: 16

Source: Department of Environmental Health  
Telephone: 408-918-1973  
Last EDR Contact: 08/17/2018  
Next Scheduled EDR Contact: 12/03/2018  
Data Release Frequency: Varies

### HIST LUST SANTA CLARA: 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

### LUST SANTA CLARA: LOP Listing

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

Date of Government Version: 03/03/2014  
Date Data Arrived at EDR: 03/05/2014  
Date Made Active in Reports: 03/18/2014  
Number of Days to Update: 13

Source: Department of Environmental Health  
Telephone: 408-918-3417  
Last EDR Contact: 08/24/2018  
Next Scheduled EDR Contact: 12/10/2018  
Data Release Frequency: Annually

### SAN JOSE HAZMAT: Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 08/01/2018  
Date Data Arrived at EDR: 08/06/2018  
Date Made Active in Reports: 09/11/2018  
Number of Days to Update: 36

Source: City of San Jose Fire Department  
Telephone: 408-535-7694  
Last EDR Contact: 08/01/2018  
Next Scheduled EDR Contact: 11/19/2018  
Data Release Frequency: Annually

### SANTA CRUZ COUNTY:

#### CUPA SANTA CRUZ: CUPA Facility List CUPA facility listing.

Date of Government Version: 01/21/2017  
Date Data Arrived at EDR: 02/22/2017  
Date Made Active in Reports: 05/23/2017  
Number of Days to Update: 30

Source: Santa Cruz County Environmental Health  
Telephone: 831-464-2761  
Last EDR Contact: 08/17/2018  
Next Scheduled EDR Contact: 12/03/2018  
Data Release Frequency: Varies

### SHASTA COUNTY:

#### CUPA SHASTA: CUPA Facility List Cupa Facility List.

Date of Government Version: 06/15/2017  
Date Data Arrived at EDR: 06/19/2017  
Date Made Active in Reports: 08/09/2017  
Number of Days to Update: 51

Source: Shasta County Department of Resource Management  
Telephone: 530-225-5789  
Last EDR Contact: 08/17/2018  
Next Scheduled EDR Contact: 12/03/2018  
Data Release Frequency: Varies

### SOLANO COUNTY:

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### LUST SOLANO: Leaking Underground Storage Tanks

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

Date of Government Version: 08/29/2018

Date Data Arrived at EDR: 09/04/2018

Date Made Active in Reports: 10/17/2018

Number of Days to Update: 43

Source: Solano County Department of Environmental Management

Telephone: 707-784-6770

Last EDR Contact: 08/29/2018

Next Scheduled EDR Contact: 12/17/2018

Data Release Frequency: Quarterly

### UST SOLANO: Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 08/29/2018

Date Data Arrived at EDR: 09/04/2018

Date Made Active in Reports: 10/18/2018

Number of Days to Update: 44

Source: Solano County Department of Environmental Management

Telephone: 707-784-6770

Last EDR Contact: 08/29/2018

Next Scheduled EDR Contact: 12/17/2018

Data Release Frequency: Quarterly

### SONOMA COUNTY:

#### CUPA SONOMA: Cupa Facility List

Cupa Facility list

Date of Government Version: 09/24/2018

Date Data Arrived at EDR: 09/25/2018

Date Made Active in Reports: 10/16/2018

Number of Days to Update: 21

Source: County of Sonoma Fire & Emergency Services Department

Telephone: 707-565-1174

Last EDR Contact: 09/24/2018

Next Scheduled EDR Contact: 01/07/2019

Data Release Frequency: Varies

### LUST SONOMA: Leaking Underground Storage Tank Sites

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

Date of Government Version: 07/03/2018

Date Data Arrived at EDR: 07/10/2018

Date Made Active in Reports: 08/24/2018

Number of Days to Update: 45

Source: Department of Health Services

Telephone: 707-565-6565

Last EDR Contact: 09/24/2018

Next Scheduled EDR Contact: 01/07/2019

Data Release Frequency: Quarterly

### STANISLAUS COUNTY:

#### CUPA STANISLAUS: CUPA Facility List

Cupa facility list

Date of Government Version: 08/14/2018

Date Data Arrived at EDR: 08/16/2018

Date Made Active in Reports: 08/24/2018

Number of Days to Update: 8

Source: Stanislaus County Department of Environmental Protection

Telephone: 209-525-6751

Last EDR Contact: 10/15/2018

Next Scheduled EDR Contact: 01/28/2019

Data Release Frequency: Varies

### SUTTER COUNTY:

#### UST SUTTER: Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 06/04/2018

Date Data Arrived at EDR: 06/08/2018

Date Made Active in Reports: 07/11/2018

Number of Days to Update: 33

Source: Sutter County Department of Agriculture

Telephone: 530-822-7500

Last EDR Contact: 09/17/2018

Next Scheduled EDR Contact: 12/17/2018

Data Release Frequency: Semi-Annually

### TEHAMA COUNTY:

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### CUPA TEHAMA: CUPA Facility List Cupa facilities

Date of Government Version: 07/17/2018  
Date Data Arrived at EDR: 08/02/2018  
Date Made Active in Reports: 09/07/2018  
Number of Days to Update: 36

Source: Tehama County Department of Environmental Health  
Telephone: 530-527-8020  
Last EDR Contact: 08/01/2018  
Next Scheduled EDR Contact: 11/19/2018  
Data Release Frequency: Varies

### TRINITY COUNTY:

#### CUPA TRINITY: CUPA Facility List Cupa facility list

Date of Government Version: 07/17/2018  
Date Data Arrived at EDR: 07/24/2018  
Date Made Active in Reports: 09/07/2018  
Number of Days to Update: 45

Source: Department of Toxic Substances Control  
Telephone: 760-352-0381  
Last EDR Contact: 07/17/2018  
Next Scheduled EDR Contact: 11/05/2018  
Data Release Frequency: Varies

### TULARE COUNTY:

#### CUPA TULARE: CUPA Facility List Cupa program facilities

Date of Government Version: 09/13/2018  
Date Data Arrived at EDR: 09/14/2018  
Date Made Active in Reports: 09/19/2018  
Number of Days to Update: 5

Source: Tulare County Environmental Health Services Division  
Telephone: 559-624-7400  
Last EDR Contact: 09/13/2018  
Next Scheduled EDR Contact: 11/19/2018  
Data Release Frequency: Varies

### TUOLUMNE COUNTY:

#### CUPA TUOLUMNE: CUPA Facility List Cupa facility list

Date of Government Version: 04/23/2018  
Date Data Arrived at EDR: 04/25/2018  
Date Made Active in Reports: 06/25/2018  
Number of Days to Update: 61

Source: Division of Environmental Health  
Telephone: 209-533-5633  
Last EDR Contact: 07/17/2018  
Next Scheduled EDR Contact: 11/05/2018  
Data Release Frequency: Varies

### VENTURA COUNTY:

#### BWT VENTURA: 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: 07/02/2018  
Date Data Arrived at EDR: 07/26/2018  
Date Made Active in Reports: 09/05/2018  
Number of Days to Update: 41

Source: Ventura County Environmental Health Division  
Telephone: 805-654-2813  
Last EDR Contact: 07/23/2018  
Next Scheduled EDR Contact: 11/05/2018  
Data Release Frequency: Quarterly

#### LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites

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

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 10/01/2018  
Next Scheduled EDR Contact: 01/14/2019  
Data Release Frequency: Annually

LUST VENTURA: 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: 08/07/2018  
Next Scheduled EDR Contact: 11/26/2018  
Data Release Frequency: Quarterly

MED WASTE VENTURA: 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: 07/02/2018  
Date Data Arrived at EDR: 07/26/2018  
Date Made Active in Reports: 08/24/2018  
Number of Days to Update: 29

Source: Ventura County Resource Management Agency  
Telephone: 805-654-2813  
Last EDR Contact: 07/23/2018  
Next Scheduled EDR Contact: 11/05/2018  
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List

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

Date of Government Version: 09/04/2018  
Date Data Arrived at EDR: 09/12/2018  
Date Made Active in Reports: 10/04/2018  
Number of Days to Update: 22

Source: Environmental Health Division  
Telephone: 805-654-2813  
Last EDR Contact: 09/12/2018  
Next Scheduled EDR Contact: 12/24/2018  
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 06/20/2018  
Date Data Arrived at EDR: 07/03/2018  
Date Made Active in Reports: 07/12/2018  
Number of Days to Update: 9

Source: Yolo County Department of Health  
Telephone: 530-666-8646  
Last EDR Contact: 10/15/2018  
Next Scheduled EDR Contact: 01/14/2019  
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 05/10/2018  
Date Data Arrived at EDR: 05/15/2018  
Date Made Active in Reports: 06/15/2018  
Number of Days to Update: 31

Source: Yuba County Environmental Health Department  
Telephone: 530-749-7523  
Last EDR Contact: 08/07/2018  
Next Scheduled EDR Contact: 11/12/2018  
Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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: 08/10/2018  
Date Data Arrived at EDR: 08/10/2018  
Date Made Active in Reports: 09/10/2018  
Number of Days to Update: 31

Source: Department of Energy & Environmental Protection  
Telephone: 860-424-3375  
Last EDR Contact: 08/09/2018  
Next Scheduled EDR Contact: 11/26/2018  
Data Release Frequency: No Update Planned

#### NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2017  
Date Data Arrived at EDR: 07/13/2018  
Date Made Active in Reports: 08/01/2018  
Number of Days to Update: 19

Source: Department of Environmental Protection  
Telephone: N/A  
Last EDR Contact: 10/09/2018  
Next Scheduled EDR Contact: 01/21/2019  
Data Release Frequency: Annually

#### 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: 07/01/2018  
Date Data Arrived at EDR: 08/01/2018  
Date Made Active in Reports: 08/31/2018  
Number of Days to Update: 30

Source: Department of Environmental Conservation  
Telephone: 518-402-8651  
Last EDR Contact: 08/01/2018  
Next Scheduled EDR Contact: 11/12/2018  
Data Release Frequency: Quarterly

#### PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016  
Date Data Arrived at EDR: 07/25/2017  
Date Made Active in Reports: 09/25/2017  
Number of Days to Update: 30

Source: Department of Environmental Protection  
Telephone: 717-783-8990  
Last EDR Contact: 10/15/2018  
Next Scheduled EDR Contact: 01/28/2019  
Data Release Frequency: Annually

#### RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2017  
Date Data Arrived at EDR: 02/23/2018  
Date Made Active in Reports: 04/09/2018  
Number of Days to Update: 45

Source: Department of Environmental Management  
Telephone: 401-222-2797  
Last EDR Contact: 08/21/2018  
Next Scheduled EDR Contact: 12/03/2018  
Data Release Frequency: Annually

#### WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2017  
Date Data Arrived at EDR: 06/15/2018  
Date Made Active in Reports: 07/09/2018  
Number of Days to Update: 24

Source: Department of Natural Resources  
Telephone: N/A  
Last EDR Contact: 09/06/2018  
Next Scheduled EDR Contact: 12/24/2018  
Data Release Frequency: Annually

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### Oil/Gas Pipelines

Source: PennWell Corporation

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

### Electric Power Transmission Line Data

Source: PennWell Corporation

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**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.

### 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 was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

### State Wetlands Data: Wetland Inventory

Source: Department of Fish and Wildlife

Telephone: 916-445-0411

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Current USGS 7.5 Minute Topographic Map  
Source: U.S. Geological Survey

### STREET AND ADDRESS INFORMATION

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## **GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE ADDENDUM**

### **TARGET PROPERTY ADDRESS**

FORMER KERRY HILLS ES SURVEY  
2465 DOLAN WAY  
SAN PABLO, CA 94806

### **TARGET PROPERTY COORDINATES**

Latitude (North):	37.993898 - 37° 59' 38.03"
Longitude (West):	122.320799 - 122° 19' 14.88"
Universal Transverse Mercator:	Zone 10
UTM X (Meters):	559638.8
UTM Y (Meters):	4205150.0
Elevation:	127 ft. above sea level

### **USGS TOPOGRAPHIC MAP**

Target Property Map:	5640624 RICHMOND, CA
Version Date:	2012
North Map:	5602140 MARE ISLAND, CA
Version Date:	2012

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 principle 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).

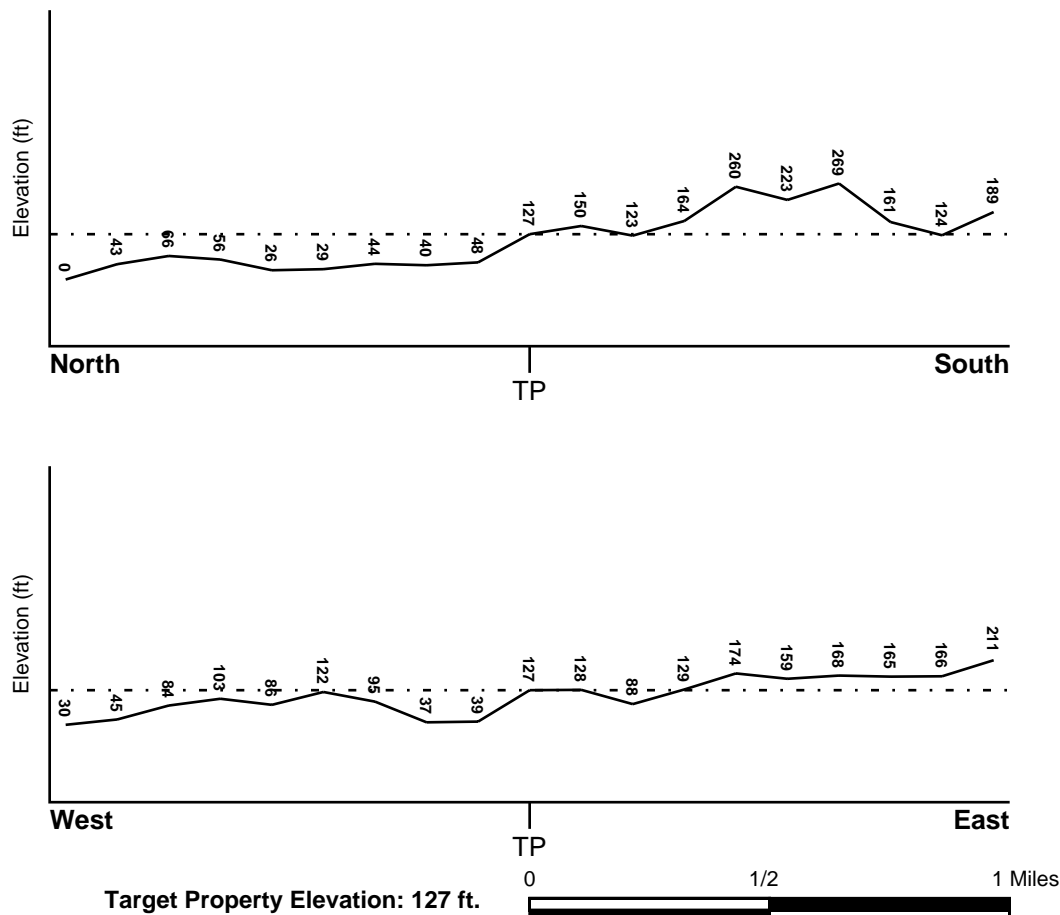
### TOPOGRAPHIC INFORMATION

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 NNW

### 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>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
06013C0227F	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
06013C0043G	FEMA FIRM Flood data
06013C0039G	FEMA FIRM Flood data
06013C0231F	FEMA FIRM Flood data

### NATIONAL WETLAND INVENTORY

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

### 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>
1	1/4 - 1/2 Mile North	W
2	1/2 - 1 Mile South	Not Reported
3	1/2 - 1 Mile NE	SW
4	1/2 - 1 Mile East	Not Reported
1G	1/2 - 1 Mile NE	SW
2G	1/4 - 1/2 Mile North	W

## **GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY**

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
3G	1/2 - 1 Mile East	Not Reported
4G	1/2 - 1 Mile South	Not Reported

For additional site information, refer to Physical Setting Source Map Findings.

## **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**

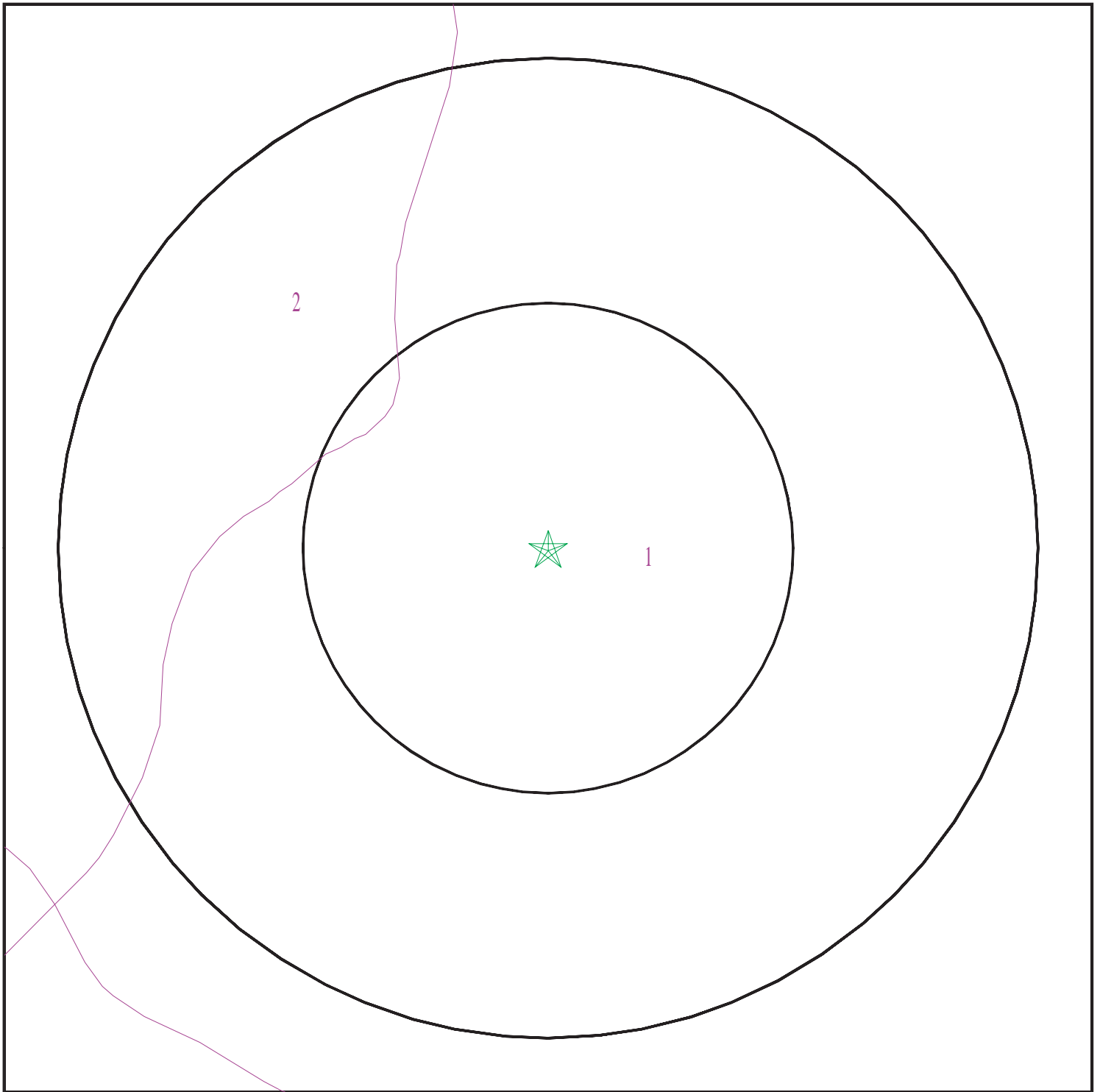
Era:	Cenozoic
System:	Tertiary
Series:	Pliocene
Code:	Tpc ( <i>decoded above as Era, System &amp; Series</i> )

#### **GEOLOGIC AGE IDENTIFICATION**

Category: Continental Deposits

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 - 5459240.2s



- ★ Target Property
- ∨ SSURGO Soil
- ∨ Water



SITE NAME: Former Kerry Hills ES Survey  
ADDRESS: 2465 Dolan Way  
San Pablo CA 94806  
LAT/LONG: 37.993898 / 122.320799

CLIENT: Millennium Environmental Consulting  
CONTACT: Steffany Loeb  
INQUIRY #: 5459240.2s  
DATE: October 19, 2018 1:34 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: CUT AND FILL LAND (fill part)

Soil Surface Texture: silty 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:  
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	59 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4

#### Soil Map ID: 2

Soil Component Name: CUT AND FILL LAND (fill part)

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:

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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	59 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 7.8 Min: 6.1

### 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.

### WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 0.001 miles
State Database	1.000

### **FEDERAL USGS WELL INFORMATION**

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

### **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.



## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### STATE DATABASE WELL INFORMATION

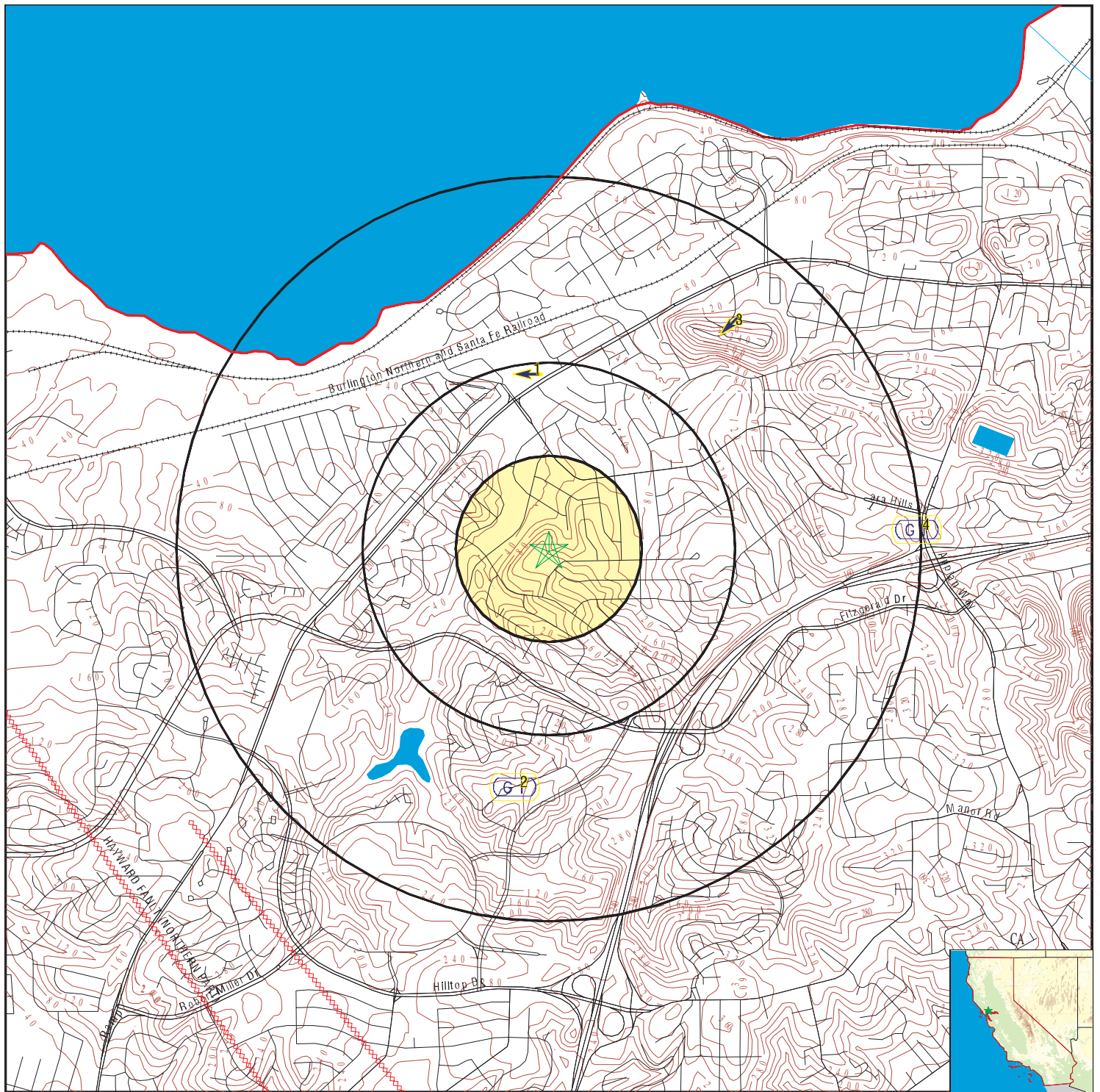
MAP ID

WELL ID

LOCATION  
FROM TP

No Wells Found

# PHYSICAL SETTING SOURCE MAP - 5459240.2s



- 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: Former Kerry Hills ES Survey  
 ADDRESS: 2465 Dolan Way  
 San Pablo CA 94806  
 LAT/LONG: 37.993898 / 122.320799

CLIENT: Millennium Environmental Consulting  
 CONTACT: Steffany Loeb  
 INQUIRY #: 5459240.2s  
 DATE: October 19, 2018 1:34 pm

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database EDR ID Number

<b>1</b> <b>North</b> <b>1/4 - 1/2 Mile</b> <b>Lower</b>	Site ID:	16124	<b>AQUIFLOW</b>	<b>66260</b>
	Groundwater Flow:	W		
	Shallow Water Depth:	6.37		
	Deep Water Depth:	8.10		
	Average Water Depth:	Not Reported		
	Date:	03/08/1991		
<b>2</b> <b>South</b> <b>1/2 - 1 Mile</b> <b>Higher</b>	Site ID:	40442	<b>AQUIFLOW</b>	<b>66153</b>
	Groundwater Flow:	Not Reported		
	Shallow Water Depth:	3.5		
	Deep Water Depth:	4		
	Average Water Depth:	Not Reported		
	Date:	07/25/1995		
<b>3</b> <b>NE</b> <b>1/2 - 1 Mile</b> <b>Higher</b>	Site ID:	07-0082	<b>AQUIFLOW</b>	<b>38498</b>
	Groundwater Flow:	SW		
	Shallow Water Depth:	4.51		
	Deep Water Depth:	28.41		
	Average Water Depth:	Not Reported		
	Date:	01/14/1999		
<b>4</b> <b>East</b> <b>1/2 - 1 Mile</b> <b>Higher</b>	Site ID:	07-0039	<b>AQUIFLOW</b>	<b>38531</b>
	Groundwater Flow:	Not Reported		
	Shallow Water Depth:	12.76		
	Deep Water Depth:	35.47		
	Average Water Depth:	Not Reported		
	Date:	12/04/1998		
<b>1G</b> <b>NE</b> <b>1/2 - 1 Mile</b> <b>Lower</b>	Site ID:	07-0082	<b>AQUIFLOW</b>	<b>38498</b>
	Groundwater Flow:	SW		
	Shallow Water Depth:	4.51		
	Deep Water Depth:	28.41		
	Average Water Depth:	Not Reported		
	Date:	01/14/1999		
<b>2G</b> <b>North</b> <b>1/4 - 1/2 Mile</b> <b>Lower</b>	Site ID:	16124	<b>AQUIFLOW</b>	<b>66260</b>
	Groundwater Flow:	W		
	Shallow Water Depth:	6.37		
	Deep Water Depth:	8.10		
	Average Water Depth:	Not Reported		
	Date:	03/08/1991		
<b>3G</b> <b>East</b> <b>1/2 - 1 Mile</b> <b>Lower</b>	Site ID:	07-0039	<b>AQUIFLOW</b>	<b>38531</b>
	Groundwater Flow:	Not Reported		
	Shallow Water Depth:	12.76		
	Deep Water Depth:	35.47		
	Average Water Depth:	Not Reported		
	Date:	12/04/1998		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database

EDR ID Number

**4G**  
**South**  
**1/2 - 1 Mile**  
**Lower**

Site ID: 40442  
Groundwater Flow: Not Reported  
Shallow Water Depth: 3.5  
Deep Water Depth: 4  
Average Water Depth: Not Reported  
Date: 07/25/1995

**AQUIFLOW 66153**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

### AREA RADON INFORMATION

State Database: CA Radon

#### Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
94806	28	0

Federal EPA Radon Zone for CONTRA COSTA County: 2

Note: Zone 1 indoor average level > 4 pCi/L.  
: Zone 2 indoor average level  $\geq$  2 pCi/L and  $\leq$  4 pCi/L.  
: Zone 3 indoor average level < 2 pCi/L.

---

Federal Area Radon Information for Zip Code: 94806

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.100 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

# 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.

### Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

## **HYDROLOGIC INFORMATION**

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

### State Wetlands Data: Wetland Inventory

Source: Department of Fish and Wildlife

Telephone: 916-445-0411

## **HYDROGEOLOGIC INFORMATION**

### AQUIFLOW<sup>R</sup> 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 Service (NRCS)

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 Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, 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 Public Health

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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Former Kerry Hills ES Survey

2465 Dolan Way

San Pablo, CA 94806

Inquiry Number: 5459240.3

October 19, 2018

## Certified Sanborn® Map Report



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

## Certified Sanborn® Map Report

10/19/18

**Site Name:**

Former Kerry Hills ES Survey  
2465 Dolan Way  
San Pablo, CA 94806  
EDR Inquiry # 5459240.3

**Client Name:**

Millennium Environmental Consulting  
401 Roland Way, Suite 250  
Oakland, CA 94621  
Contact: Steffany Loeb



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The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

### Certified Sanborn Results:

**Certification #** 064A-48FB-A62D

**PO #** NA

**Project** 3127.2000 - Caliber Schools-Fo

### UNMAAPPED 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.



Sanborn® Library search results

Certification #: 064A-48FB-A62D

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

*The Sanborn Library LLC Since 1866™*

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## **APPENDIX C**

### **ADDITIONAL ENVIRONMENTAL DOCUMENTS**

A diagram showing a line of sight from a point to a target. The line is divided into segments by a scale bar. The scale bar is labeled "1" = 200'".



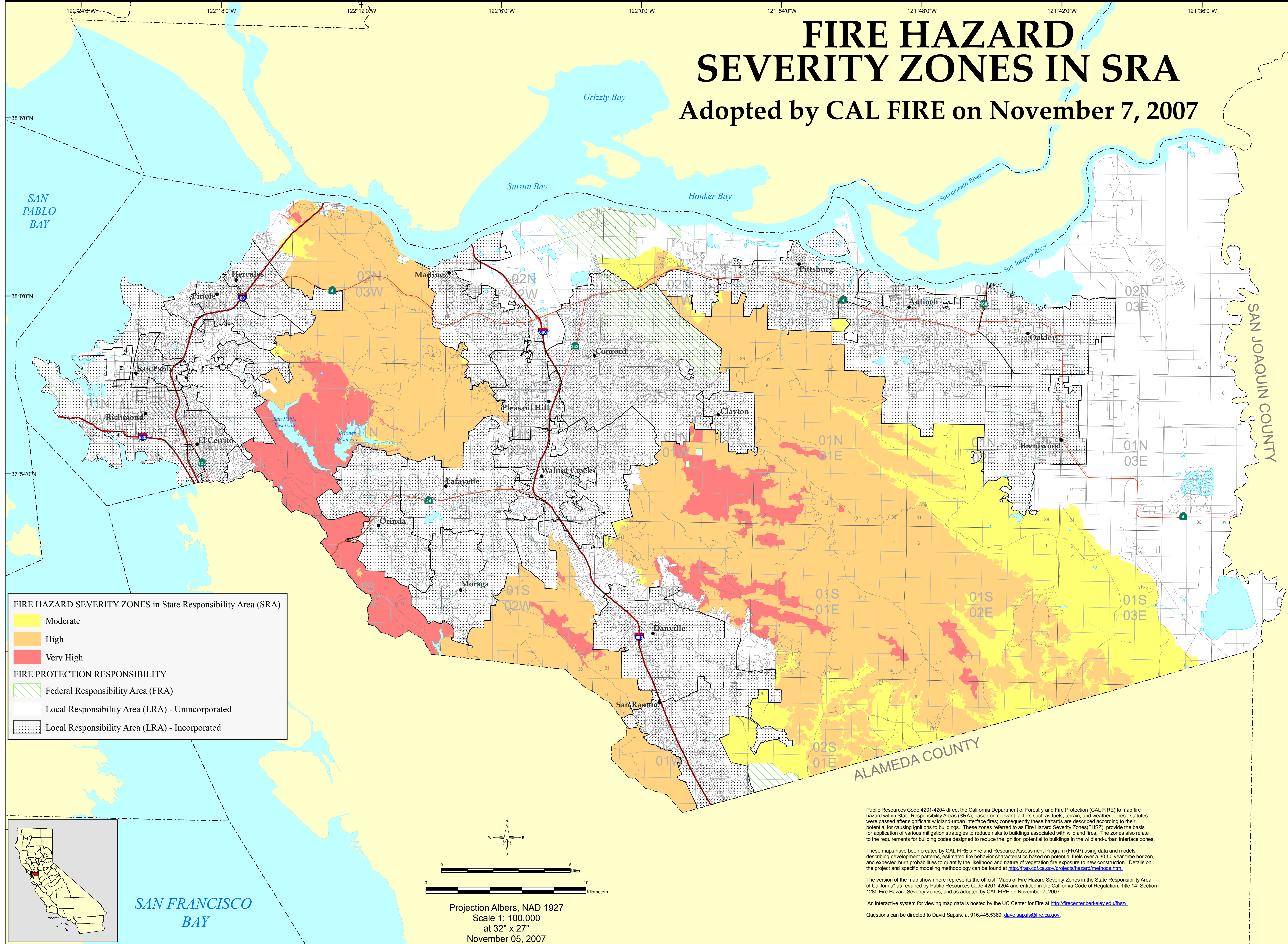




# CONTRA COSTA COUNTY

## FIRE HAZARD SEVERITY ZONES IN SRA

Adopted by CAL FIRE on November 7, 2007



Public Resources Code 4201-4204 direct the California Department of Forestry and Fire Protection (CAL FIRE) to map fire hazard within State Responsibility Areas (SRA), based on relevant factors such as fuels, terrain, and weather. These statutes were passed after significant wildland-urban interface fires; consequently these hazards are described according to their potential for causing ignitions to buildings. These zones referred to as Fire Hazard Severity Zones (FHSZ), provide the basis for application of various mitigation strategies to reduce risks to buildings associated with wildland fires. The zones also relate to the requirements for building codes designed to reduce the ignition potential to buildings in the wildland-urban interface zones.

These maps have been created by CAL FIRE's Fire and Resource Assessment Program (FRAP) using data and models describing development patterns, estimated fire behavior characteristics based on potential fuels over a 30-50 year time horizon, and expected burn probabilities to quantify the likelihood and nature of vegetation fire exposure to new construction. Details on the project and specific modeling methodology can be found at <http://frap.cdf.ca.gov/projects/hazard/methods.htm>.

The version of the map shown here represents the official "Maps of Fire Hazard Severity Zones in the State Responsibility Area of California" as required by Public Resources Code 4201-4204 and entitled in the California Code of Regulation, Title 14, Section 1280 Fire Hazard Severity Zones, and as adopted by CAL FIRE on November 7, 2007.

An interactive system for viewing map data is hosted by the UC Center for Fire at <http://firecenter.berkeley.edu/fhsz/>.

Questions can be directed to David Sapsis, at 916.445.5369, [dave.sapsis@fire.ca.gov](mailto:dave.sapsis@fire.ca.gov).

The State of California and the Department of Forestry and Fire Protection make no representations or warranties regarding the accuracy of data or maps. Neither the State nor the Department shall be liable under any circumstances for any direct, special, incidental, or consequential damages with respect to any claim by any user or third party on account of, or arising from, the use of data or maps.

Obtain FRAP maps, data, metadata and publications on the Internet at <http://frap.cdf.ca.gov>  
For more information, contact CAL FIRE-FRAP, PO Box 944246, Sacramento, CA 94244-2460, (916) 327-3939.

Arnold Schwarzenegger, Governor,  
State of California  
Mike Chrisman, Secretary for Resources,  
The Resources Agency  
Ruben Grijalva, Director,  
Department of Forestry and Fire Protection

MAP ID: FHSZS\_MAP  
DATA SOURCES  
CAL FIRE Fire Hazard Severity Zones (FHSZS06\_3)  
CAL FIRE State Responsibility Areas (SRA05\_5)  
CAL FIRE Incorporated Cities (Incorp07\_3)  
PLSS (1:100,000 USGS, Land Grants with CAL FIRE grid)



# Earthquake Zones of Required Investigation Richmond Quadrangle

## California Geological Survey

This Map Shows Both Alquist-Priolo Earthquake Fault Zones And  
Seismic Hazard Zones Issued For The Richmond Quadrangle

This map shows the location of Alquist-Priolo (AP) Earthquake Fault Zones and Seismic Hazard Zones, collectively referred to here as Earthquake Zones of Required Investigation. The Geographic Information System (GIS) digital files of these regulatory zones released by the California Geological Survey (CGS) are the "Official Maps." GIS files are available at the CGS website <http://maps.conservation.ca.gov/cgs/informationwarehouse/>. These zones will assist cities and counties in fulfilling their responsibilities for protecting the public from the effects of surface fault rupture and earthquake-triggered ground failure as required by the AP Earthquake Fault Zoning Act (Public Resources Code Sections 2621-2630) and the Seismic Hazards Mapping Act (Public Resources Code Sections 2690-2699.6). For information regarding the general approach and recommended methods for preparing these zones,

see CGS Special Publication 42, *Earthquake Fault Zones, a Guide for Government Agencies, Property Owners/Developers, and Geotechnical Practitioners for Assessing Fault Rupture Hazards in California*, Appendix C, and CGS Special Publication 118, *Recommended Criteria for Delineating Seismic Hazard Zones in California*. For information regarding the scope and recommended methods to be used in conducting required site investigations refer to CGS Special Publication 42, and CGS Special Publication 117A, *Guidelines for Evaluating and Mitigating Seismic Hazards in California*. For a general description of the AP and Seismic Hazards Mapping acts, the zoning programs, and related information, please refer to the website at [www.conservation.ca.gov/cgs/](http://www.conservation.ca.gov/cgs/).

### MAP EXPLANATION

#### EARTHQUAKE FAULT ZONES

##### Earthquake Fault Zones

Zone boundaries are delineated by straight-line segments; the boundaries define the zone encompassing active faults that constitute a potential hazard to structures from surface faulting or fault creep such that avoidance as described in Public Resources Code Section 2621.5(a) would be required.

##### Active Fault Traces

Faults considered to have been active during Holocene time and to have potential for surface rupture. Solid Line in Black or Red where Accurately Located; Long Dash in Black or Solid Line in Purple where Approximately Located; Short Dash in Black or Solid Line in Orange where Inferred; Dotted Line in Black or Solid Line in Rose where Concealed; Query (?) indicates additional uncertainty. Evidence of historic offset indicated by year of earthquake-associated event or C for displacement caused by fault creep.

#### SEISMIC HAZARD ZONES

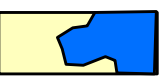
##### Liquefaction Zones

Areas where historical occurrence of liquefaction, or local geological, geotechnical and ground water conditions indicate a potential for permanent ground displacements such that mitigation as defined in Public Resources Code Section 2693(c) would be required.

##### Earthquake-Induced Landslide Zones

Areas where previous occurrence of landslide movement, or local topographic, geological, geotechnical and subsurface water conditions indicate a potential for permanent ground displacements such that mitigation as defined in Public Resources Code Section 2693(c) would be required.

#### OVERLAPPING EARTHQUAKE FAULT AND SEISMIC HAZARD ZONES



**Overlap of Earthquake Fault Zone and Earthquake-Induced Landslide Zone**  
Areas that are covered by both Earthquake Fault Zone and Earthquake-Induced Landslide Zone.

**Note: Mitigation methods differ for each zone — AP Act only allows avoidance; Seismic Hazard Mapping Act allows mitigation by engineering/geotechnical design as well as avoidance.**

### ADDITIONAL INFORMATION

For additional information on the zones of required investigation presented on this map, the data and methodology used to prepare them, and additional references consulted, please refer to the following:

The Hayward Fault, Richmond Segment, and Wildcat Fault in the Richmond and Mare Island 7.5' Quadrangles, Contra Costa and Alameda counties, California. California Geological Survey, Fault Evaluation Report FER-101. <http://gmw.conservation.ca.gov/SHP/EZIRIM/Reports/FER/101/>

The Pinole and related Faults in the Richmond and Mare Island 7.5' Quadrangles, Contra Costa County, California. California Geological Survey, Fault Evaluation Report FER-097. <http://gmw.conservation.ca.gov/SHP/EZIRIM/Reports/FER/097/>

For more information on the Alquist-Priolo Earthquake Fault Zoning Act please refer to: <http://www.conservation.ca.gov/cgs/ghm/ap/Pages/main.aspx>

Seismic Hazard Zone Report for the Richmond 7.5-minute Quadrangle, Alameda County, California. California Geological Survey, Seismic Hazard Zone Report 070. [http://gmw.conservation.ca.gov/SHP/EZIRIM/Reports/SHZ/SHZ\\_070\\_Richmond.pdf](http://gmw.conservation.ca.gov/SHP/EZIRIM/Reports/SHZ/SHZ_070_Richmond.pdf)

For more information on the Seismic Hazards Mapping Act please refer to: <http://www.conservation.ca.gov/cgs/shzp/Pages/SHMPgmInfo.aspx>

Click the link below to learn how to take greater advantage of the GeoPDF format of this map after downloading. <http://gmw.conservation.ca.gov/SHP/EZIRIM/docs/TerragoUserGuide.pdf>

## RICHMOND QUADRANGLE

### EARTHQUAKE FAULT ZONES

Delineated in compliance with  
Chapter 7.5 Division 2 of the California Public Resources Code  
(Alquist-Priolo Earthquake Fault Zoning Act)

### REVISED OFFICIAL MAP

Released: January 1, 1982

*James L. Davis*  
STATE GEOLOGIST

### SEISMIC HAZARD ZONES

Delineated in compliance with  
Chapter 7.8 Division 2 of the California Public Resources Code  
(Seismic Hazards Mapping Act)

### OFFICIAL MAP

Released: February 14, 2003

*James L. Davis*  
STATE GEOLOGIST

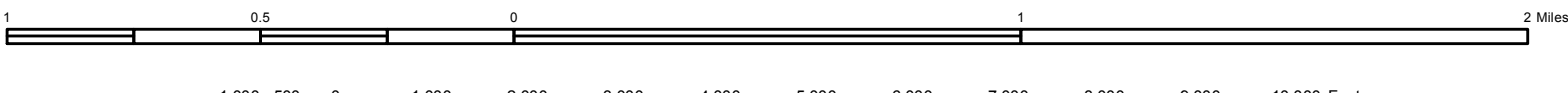
### IMPORTANT

#### PLEASE NOTE THE FOLLOWING FOR ZONES SHOWN ON THIS MAP

- This map may not show all faults that have the potential for surface fault rupture, either within the Earthquake Fault Zones or outside their boundaries. Additionally, this map may not show all areas that have the potential for liquefaction, landsliding, strong earthquake ground shaking or other earthquake and geologic hazards. Also, a single earthquake capable of causing liquefaction or triggering landslide failure will not uniformly affect the entire area zoned.
- Boundaries of Earthquake Fault Zones, if included on this map, are based on interpreted Holocene-active fault traces.
- The identification and location of these faults are based on the best available data. However, the quality of data used is varied. Traces have been depicted as accurately as possible at a map scale of 1:24,000.
- Liquefaction zones may also contain areas susceptible to the effects of earthquake-induced landslides. This situation typically exists at or near the toes of existing landslides, downslope from rockfall or debris flow source areas, or adjacent to steep stream banks.
- Landslide zones on this map were determined, in part, by adapting methods first developed by the U.S. Geological Survey (USGS). Landslide hazard maps prepared by the USGS typically use experimental approaches to assess earthquake-induced and other types of landslide hazards. Although aspects of these new methodologies may be incorporated in future CGS seismic hazard zone maps, USGS maps should not be used as substitutes for these Official SEISMIC HAZARD ZONES maps.
- USGS base map standards provide that 90 percent of cultural features be located within 40 feet (horizontal accuracy) at the scale of this map. The identification and location of liquefaction and earthquake-induced landslide zones are based on available data. However, the quality of data used is varied. The zone boundaries depicted have been drawn as accurately as possible at this scale.
- Information on this map is not sufficient to serve as a substitute for the geologic and geotechnical site investigations required under Chapters 7.5 and 7.8 of Division 2 of the California Public Resources Code.
- Seismic Hazard Zones identified on this map may include developed land where delineated hazards have already been mitigated to city or county standards. Check with your local building/planning department for information regarding the location of such mitigated areas.
- DISCLAIMER:** The State of California and the Department of Conservation make no representations or warranties regarding the accuracy of the data from which these maps were derived. Neither the State nor the Department shall be liable under any circumstances for any direct, indirect, special, incidental or consequential damages with respect to any claim by any user or any third party on account of or arising from the use of this map.

Study area defined by USGS quadrangle boundaries using NAD 27, represented by the visible map extent. Data are maintained and distributed in NAD 83 [EPSG:3310], California Albers (meters), as shown by tics and coordinates. Shaded topographic relief derived from USGS NED 10 meter DEM (2013). Topographic base map from USGS 1959, photorevised 1980. Street data from US Census Bureau TIGER/Line, 2016.

Scale 1: 24,000



Contour Interval 20 Feet



California Geological Survey  
Geologic Information and Publications  
801 K Street, MS 14-34  
Sacramento, CA 95814-3532  
[www.conservation.ca.gov/cgs](http://www.conservation.ca.gov/cgs)







U.S. DEPARTMENT OF THE INTERIOR  
U.S. GEOLOGICAL SURVEY



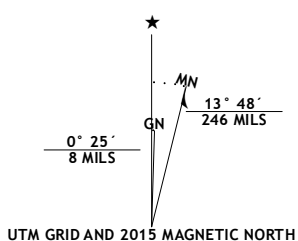
RICHMOND QUADRANGLE  
CALIFORNIA  
7.5-MINUTE SERIES



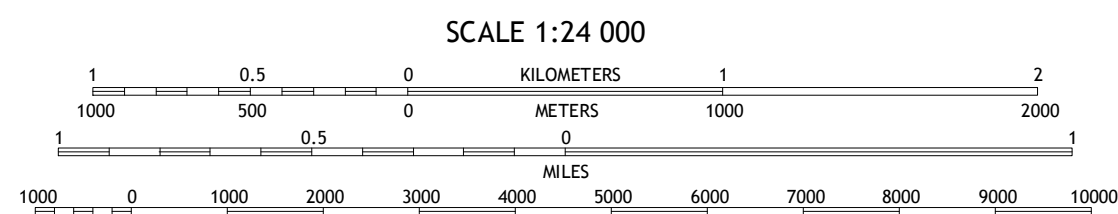
Produced by the United States Geological Survey  
North American Datum of 1983 (NAD83)  
World Geodetic System of 1984 (WGS84), Projection and  
1 000-meter grid; Universal Transverse Mercator, Zone 10S  
10 000-foot ticks: California Coordinate System of 1983 (zone 3)

This map is not a legal document. Boundaries may be  
generalized for this map scale. Private lands within government  
reservations may not be shown. Obtain permission before  
entering private lands.

Imagery.....NAIP, May 2012  
Roads.....HERE, ©2013 - 2014  
Names.....GNIS, 2015  
Hydrography.....National Hydrography Dataset, 2012  
Contours.....National Elevation Dataset, 1999  
Boundaries.....Multiple sources; see metadata file 1972 - 2015  
Public Land Survey System.....BLM, 2011



U.S. National Grid
100,000-m Square ID
EH
EG
Grid Zone Designation
10S



CONTOUR INTERVAL 20 FEET  
NORTH AMERICAN VERTICAL DATUM OF 1988  
This map was produced to conform with the  
National Geospatial Program US Topo Product Standard, 2011.  
A metadata file associated with this product is draft version 0.6.18



ROAD CLASSIFICATION	
Expressway	Local Connector
Secondary Hwy	Local Road
Ramp	4WD
Interstate Route	US Route
	State Route

1	2	3
4	5	6
7	8	9

ADJOINING QUADRANGLES

1 Petaluma Point  
2 Mare Island  
3 Benicia  
4 San Quentin  
5 Briones Valley  
6 San Francisco North  
7 Oakland West  
8 Oakland East

RICHMOND, CA  
2015





APPENDIX D  
RESUMES OF REPORT PREPARERS



## **RAMIL ARCIA, EIT, CAC, CDPH Lead I/A/PM PROJECT ENGINEER**

**Education:** BS, Environmental Engineering, Cal Poly, San Luis Obispo

**Certifications:** California Certified Site Surveillance Technician 06-4033  
California Certified Asbestos Consultant  
California Certified Lead Inspector/Assessor/ Project Manager  
EPA AHERA Certified Building Inspector/Monitor  
California DHS Lead Inspector/Assessor 17756  
Engineering-in-Training (EIT), State of California  
40 Hour OSHA Health & Safety Certification (29 CFR 1910.120)  
8 Hour OSHA Health & Safety Update Certification, 2008

**Areas of Special Competence:** Hazardous Materials Management  
BioHazard Assessments, Workplan Development  
Industrial Hygiene Assessments and Worker Monitoring  
Environmental Site Assessments  
Regulatory Compliance

### **Summary of Experience**

Mr. Arcia is responsible for coordinating the field technicians, assigning tasks, reviewing work performed and inspecting work sites. Mr. Arcia has twelve years of professional experience in the environmental consulting field. Mr. Arcia conducts environmental and industrial hygiene field investigations for the presence to regulated environmental materials. Mr. Arcia has performed hazardous materials assessments for public and private entities throughout southern, central and northern California. Mr. Arcia has developed agency-approved sampling work plans, analyzed data and prepared closure reports for hazardous materials investigations and multi-media hazardous materials removal and demolition projects.

### **Project Experience:**

*Roosevelt Middle School Hazardous Materials Abatement Design and Monitoring, San Francisco Unified School District, San Francisco, CA, Site Management and Monitoring*

Mr. Arcia developed many of the abatement designs and specifications for the remediation of hazardous conditions during school remodel. He provides on-site inspection of the construction staff, insuring conformance with safety requirements and proper materials management. When needed he also provides on-site monitoring.

*Presidio Middle School Hazardous Materials Abatement Design and On-site Monitoring, San Francisco Unified Middle School, San Francisco, CA, Site Management and Monitoring*

Mr. Arcia assisted the District in assessing the specific industrial hygiene and hazardous material impacts during the development of the specific renovation scope. He provided suggested improvements to the remodeling that resulted in a more thorough abatement. He supervises field technicians, offering suggestions for a more efficient use of time.

*Herbert Hoover Middle School Greening Project, San Francisco Unified School District, San Francisco, CA, On-site Project Management*

It was the desire of the San Francisco Unified School District to provide more natural play areas at the school. There was concern that installing a new watering system and grass would disturb soil contaminants and expose children to health safety concerns. Mr. Arcia conducted a preliminary site assessment and preformed soil sampling to assess the asphalt concrete for asbestos and site soils subject to disturbance for

naturally occurring asbestos (NOA), petroleum hydrocarbons, volatile organic compounds, semi-volatile organic compounds, organochlorine pesticides, organophosphorus pesticides and heavy metals that were analyzed following Cal EPA guidelines. Only lead was found to be a chemical of concern. He based his conclusions on U.S. Department of Health And Human Services Public Health Service Agency for Toxic Substances and Disease Registry regulations.

*James Lick Middle School Limited Preliminary Site Assessment, San Francisco Unified School District, San Francisco, CA, Project Manager*

Mr. Arcia was the Project Manager for a general assessment of the presence of asbestos, lead and environmentally regulated materials associated with the proposed renovation of the school. He reviewed available documents, performed a limited asbestos-containing materials survey and lead-based paint survey. He performed a visual reconnaissance of other regulated materials, such as lights, ballasts, emergency exit signs, Mercury switches and transformers. A written report was prepared detailing the survey information including description of the samples and sample locations, analytical results in tabular form, condition of surfaces identified, interpretation of results and demolition recommendations.

*Principals Center, Limited Hazardous Materials Survey, San Francisco Unified School District, San Francisco, CA, Project Manager*

Mr. Arcia was Project Manager for a limited hazardous materials survey for the exterior building renovation. He reviewed the existing asbestos and lead sample data presented in the Proposed Project Hazmat Review prepared by SFUSD Asbestos Control Program/Environmental Health Department and conducted a limited visual and supplemental bulk sampling survey. His report stipulated that removal of the lead-based paint would be subject to California Code of Regulations, Title 8, Section 1532.1 (8 CCR 1532.1). He recommended that the existing pavement be cleaned by CDPH trained personnel and that lead-contaminated soil be removed to a depth of three inches.

*Frank McCoppin Elementary School and Children's Center Upgrade and Renovation, San Francisco Unified School District, San Francisco, CA, Project Manager*

Under the 2011 Scholl Bond Measure Millennium Consulting was requested to perform a preliminary site assessment in compliance with NESHAP prior to renovation of the buildings. Mr. Arcia was Project Manager for this phase of work and oversaw field technical support. He reviewed any available original survey reports and raw data from previous surveys. Millennium regularly reviews available AHERA tri-annual re-inspection reports prior to performing the pre-renovation survey to fulfill sampling requirements for renovation surveys. An ACM survey of the structures was performed in accordance with the listed criteria in California Occupational Safety and Health Administration standards and NESHAP regulation standard for renovation/renovation, including the analysis of bulk samples via polarized light microscopy (PLM) methodology. A Lead Based Paint survey of the structure was conducted. The survey included in-place testing using a portable X-ray Fluorescence (XRF) Analyzer. A visual inventory and reconnaissance of lighting and heating systems in the structures for mercury and/or Polychlorinated Biphenyls (PCB)-containing devices (fluorescent light ballasts, fluorescent light tubes and thermostats) was performed. The survey also included a visual inventory of materials and components containing ozone depleting chemicals (refrigerants and compressor oils) typically found in exterior HVAC units. In addition, subsurface soils and various constituents were addressed. He wrote a report detailing the survey information, including description of the samples and sample locations, analytical results in tabular form, condition of surfaces identified, interpretation of results and recommendations that included areas not surveyed but assumed to contain asbestos, a summary of areas and materials found to not contain asbestos, a listing of lead containing materials, other hazardous materials and a preliminary soil assessment.

*Radiological Field Assessment*

Mr. Arcia was a team leader for the assessment and characterization of radiological contamination associated with a former medical waste disposal site in southern California. Mr. Arcia gridded off the entire 37 acres and

using Sodium Iodide detectors and GM “pancake” probes, surveyed all locations thoroughly for beta and gamma-ray emitting radionuclides or radionuclides traceable through their gamma-ray emitting daughter products.

*Asbestos/Lead/Regulated Substance Investigation/Design & Abatement Management*

Mr. Arcia developed scopes of work, investigation strategies, conducted and managed small, medium and large scale renovation and demolition -related projects for both public and private clientele.

*Phase I/II Environmental Site Assessment, Brentwood, CA*

Mr. Arcia conducted initial data review of publicly available historic records, consulted with regulatory agencies, prepared and performed site sampling strategy with work plan for a subsurface arsenic soil assessment.

*California Bank, Phase I/Phase II Investigations*

Mr. Arcia conducted Environmental Site Assessments for several different properties of interest. He was responsible for investigative methods performed and writing final reports. Project histories included school sites, manufacturing sites and other commercial, multi-family, industrial and retail facilities.

*Biotech Firm, Mold Investigation/Remediation*

Mr. Arcia was project industrial hygienist responsible for field investigation, sampling design and implementation. He prepared scope of work for mold abatement and on site monitoring of abatement work. He conducted final testing to ensure that agreed upon results were achieved. Responsible for weekly updates to the client, final reports and billing.

## **Steffany Aguilar Loeb**

### **Project Field Geologist**

**Education:** B.S., Geology, California State University, Fresno  
M.S., Geology, San Jose State University

**Registrations/  
Certifications:** 40 Hour HAZWOPER & 8 hour Refresher  
Geo seal & Liquid Boot Inspector  
Gold Shovel Certified (PG&E)  
AHERA Asbestos Inspector

### **Areas of Special Competence:**

ArcGIS Mapping  
Field experience with soil vapor sampling, groundwater monitoring, soil sampling, logging soil, offshore sediment sampling, etc.  
Geologic Mapping  
Vapor mitigation system inspections & approvals  
MODFLOW  
Phase I's Environmental Site Assessments

### **Project Experience**

#### *Manufacturing Gas Plant Impact Investigation for Pacific Gas & Electric Company, San Francisco, CA*

Mrs. Loeb served as a primary field geologist for manufacturing gas plants (MGP's) long term impact assessment for PG&E. The former Fillmore, North Beach and Beach Street MGP's were destroyed in the early 1900's after the 1906 earthquake, and were left along with rubble along the Marina in San Francisco. Field investigations were conducted along several properties in the area including residential, schools and commercial properties. Mrs. Loeb was part of the investigation, quarterly monitoring and remediation efforts. Initial field investigations included installing over 50 groundwater monitoring wells, 50 soil vapor probes and logging/collecting soil samples from over 100 locations in the Marina. Additional work included offshore sediment sampling, to determine potential impact on aquatic life. Quarterly field data was collected for groundwater and soil vapor samples to determine the impacts. Mrs. Loeb was also involved in remediation efforts at residential properties, conducting environmental oversight such as dust mitigation and collecting ambient air samples.

#### *Environmental Oversight at Oakland Army Base, Oakland, CA*

Under the City of Oakland's on-going, on-call for environmental oversight of Oakland Army Base, Mrs. Loeb provided support, by collecting and reporting data. Field operations included soil and groundwater monitoring of the re-developed area, such as observation and sampling of soil during the removal of old pipelines, creosote-treated wood, etc. and placement of bio swales and any excavation. Mrs. Loeb was responsible for quarterly reporting to the City of Oakland and DTSC, due to part of the area being classified as a RMP. This included compiling figures, tables, and updating reports.

#### *Vapor mitigation system inspections & approvals at Pulte, San Francisco Bay Area, CA*

Served as engineer on record, and third party inspector for PulteGroup Construction Company vapor mitigation system placement. Three large home construction sites in Milpitas, Fremont and San Jose applied CETCO liquid boot as the primary vapor intrusion barrier system. Mrs. Loeb provided oversight for pre-

smoke and final smoke testing in addition to observing placement of product to adhere to company warranty and minimize methane and VOC vapor into homes.

*Stream condition inventory on the Santa Ana River at U.S. Forest Service, San Bernardino, CA*

A stream condition inventory was conducted on the Santa Ana River to examine the impact of lead and copper on the Santa Ana watershed. The following field parameters were collected along different tributaries of the Santa Ana River: pH, conductivity, turbidity, temperature and particle size distribution. In addition several stream attributes were measured such as: bank full stage, width to depth ratio, stream shading, cross sections and entrenchment. This data was collected weekly, and compiled into a report published by the U.S. Forest Service. Due to several fires that were raging in the San Bernardino Forest at that time, the impact of fires on the river was examined as well.

*Dinky land restoration project at Sierra National Forest, Clovis, CA*

Mrs. Loeb used LPS, ArcGIS and aerial photography to analyze meadow boundaries from 1940 to present to determine the degree of meadow encroachment for the dinky land restoration project.



## **APPENDIX TRA**

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Transportation

# SimTraffic Simulation Summary

## Baseline

04/19/2019

### Summary of All Intervals

Run Number	1	10	2	3	4	5	6
Start Time	6:57	6:57	6:57	6:57	6:57	6:57	6:57
End Time	7:10	7:10	7:10	7:10	7:10	7:10	7:10
Total Time (min)	13	13	13	13	13	13	13
Time Recorded (min)	10	10	10	10	10	10	10
# of Intervals	2	2	2	2	2	2	2
# of Recorded Intervals	1	1	1	1	1	1	1
Vehs Entered	403	371	414	395	346	362	370
Vehs Exited	405	373	419	405	344	364	374
Starting Vehs	24	34	29	34	25	32	30
Ending Vehs	22	32	24	24	27	30	26
Travel Distance (mi)	112	99	113	112	93	98	107
Travel Time (hr)	5.2	4.5	5.4	5.2	4.2	4.5	5.0
Total Delay (hr)	1.3	1.2	1.6	1.3	1.1	1.2	1.3
Total Stops	292	262	314	305	237	251	314
Fuel Used (gal)	4.4	3.9	4.6	4.4	3.7	3.8	4.3

### Summary of All Intervals

Run Number	7	8	9	Avg
Start Time	6:57	6:57	6:57	6:57
End Time	7:10	7:10	7:10	7:10
Total Time (min)	13	13	13	13
Time Recorded (min)	10	10	10	10
# of Intervals	2	2	2	2
# of Recorded Intervals	1	1	1	1
Vehs Entered	407	401	411	382
Vehs Exited	414	401	407	390
Starting Vehs	32	31	24	29
Ending Vehs	25	31	28	22
Travel Distance (mi)	115	107	112	107
Travel Time (hr)	5.5	5.0	5.4	5.0
Total Delay (hr)	1.5	1.3	1.5	1.3
Total Stops	310	284	309	286
Fuel Used (gal)	4.6	4.2	4.5	4.2

### Interval #0 Information Seeding

Start Time	6:57
End Time	7:00
Total Time (min)	3
Volumes adjusted by Growth Factors.	
No data recorded this interval.	



### Interval #1 Information Recording

Start Time	7:00
End Time	7:10
Total Time (min)	10

Volumes adjusted by Growth Factors.

Run Number	1	10	2	3	4	5	6
Vehs Entered	403	371	414	395	346	362	370
Vehs Exited	405	373	419	405	344	364	374
Starting Vehs	24	34	29	34	25	32	30
Ending Vehs	22	32	24	24	27	30	26
Travel Distance (mi)	112	99	113	112	93	98	107
Travel Time (hr)	5.2	4.5	5.4	5.2	4.2	4.5	5.0
Total Delay (hr)	1.3	1.2	1.6	1.3	1.1	1.2	1.3
Total Stops	292	262	314	305	237	251	314
Fuel Used (gal)	4.4	3.9	4.6	4.4	3.7	3.8	4.3

### Interval #1 Information Recording

Start Time	7:00
End Time	7:10
Total Time (min)	10

Volumes adjusted by Growth Factors.

Run Number	7	8	9	Avg
Vehs Entered	407	401	411	382
Vehs Exited	414	401	407	390
Starting Vehs	32	31	24	29
Ending Vehs	25	31	28	22
Travel Distance (mi)	115	107	112	107
Travel Time (hr)	5.5	5.0	5.4	5.0
Total Delay (hr)	1.5	1.3	1.5	1.3
Total Stops	310	284	309	286
Fuel Used (gal)	4.6	4.2	4.5	4.2

## Queuing and Blocking Report

### Baseline

04/19/2019

#### Intersection: 1: Flannery Rd & Dolan Way

Movement	EB	WB	NB	SB
Directions Served	LTR	LTR	TR	L
Maximum Queue (ft)	60	54	2	23
Average Queue (ft)	39	41	0	7
95th Queue (ft)	66	61	6	29
Link Distance (ft)		230	142	280
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

#### Intersection: 2: Shamrock Dr & Dolan Way

Movement	EB	SB
Directions Served	LT	LR
Maximum Queue (ft)	23	57
Average Queue (ft)	5	40
95th Queue (ft)	27	63
Link Distance (ft)	1018	
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

#### Intersection: 3: Flannery Rd & Shamrock Dr

Movement	SE	NW	NE	SW
Directions Served	LTR	LTR	LTR	LTR
Maximum Queue (ft)	55	58	31	42
Average Queue (ft)	40	42	20	25
95th Queue (ft)	59	62	44	52
Link Distance (ft)	993	1018	304	438
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

## Queuing and Blocking Report

### Baseline

04/19/2019

#### Intersection: 4: San Pablo Ave & Shamrock Dr

Movement	SE	SE	NW	NW	NE	NE	NE	SW	SW	SW
Directions Served	LT	R	L	TR	L	T	TR	L	T	TR
Maximum Queue (ft)	62	27	94	43	26	74	66	25	157	131
Average Queue (ft)	37	8	58	26	12	53	36	8	117	82
95th Queue (ft)	74	30	102	53	32	87	72	29	171	156
Link Distance (ft)	90	90	126	126	695	695	695	686	686	686
Upstream Blk Time (%)	0		0							
Queuing Penalty (veh)	0		0							
Storage Bay Dist (ft)										
Storage Blk Time (%)										
Queuing Penalty (veh)										

#### Intersection: 5: Dolan Way & School Driveway1

Movement
Directions Served
Maximum Queue (ft)
Average Queue (ft)
95th Queue (ft)
Link Distance (ft)
Upstream Blk Time (%)
Queuing Penalty (veh)
Storage Bay Dist (ft)
Storage Blk Time (%)
Queuing Penalty (veh)

#### Intersection: 6: Dolan Way & Driveway2



















Movement
Directions Served
Maximum Queue (ft)
Average Queue (ft)
95th Queue (ft)
Link Distance (ft)
Upstream Blk Time (%)
Queuing Penalty (veh)
Storage Bay Dist (ft)
Storage Blk Time (%)
Queuing Penalty (veh)

#### Network Summary

Network wide Queuing Penalty: 0

Lanes, Volumes, Timings  
1: Flannery Rd & Dolan Way

04/22/2019

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	13	121	1	23	95	32	3	16	53	77	11	36
Future Volume (vph)	13	121	1	23	95	32	3	16	53	77	11	36
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	0		0	0		0	0		0	0		0
Storage Lanes	0		0	0		0	1		0	1		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor												
Frt		0.999			0.971			0.884			0.885	
Flt Protected		0.995			0.992		0.950			0.950		
Satd. Flow (prot)	0	1852	0	0	1794	0	1770	1647	0	1770	1649	0
Flt Permitted		0.995			0.992		0.950			0.950		
Satd. Flow (perm)	0	1852	0	0	1794	0	1770	1647	0	1770	1649	0
Link Speed (mph)		25			25			25			25	
Link Distance (ft)		919			265			170			309	
Travel Time (s)		25.1			7.2			4.6			8.4	
Lane Group Flow (vph)	0	147	0	0	163	0	3	75	0	84	51	0
Sign Control		Stop			Stop			Free			Free	

Intersection Summary

Area Type: Other

Control Type: Unsignalized

Intersection Capacity Utilization 30.3%

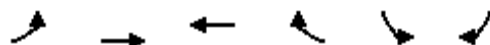
ICU Level of Service A

Analysis Period (min) 15

## Lanes, Volumes, Timings

### 2: Shamrock Dr & Dolan Way

04/22/2019



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	125	60	56	1	1	100
Future Volume (vph)	125	60	56	1	1	100
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12
Grade (%)		0%	0%		0%	
Storage Length (ft)	0			0	0	0
Storage Lanes	0			0	1	0
Taper Length (ft)	25				25	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor						
Frt			0.998		0.866	
Flt Protected		0.967				
Satd. Flow (prot)	0	1801	1859	0	1613	0
Flt Permitted		0.967				
Satd. Flow (perm)	0	1801	1859	0	1613	0
Link Speed (mph)		25	25		25	
Link Distance (ft)		1067	365		279	
Travel Time (s)		29.1	10.0		7.6	
Lane Group Flow (vph)	0	201	62	0	110	0
Sign Control		Free	Free		Stop	

#### Intersection Summary

Area Type: Other

















Control Type: Unsignalized

Intersection Capacity Utilization 29.7% ICU Level of Service A

Analysis Period (min) 15

Lanes, Volumes, Timings  
3: Flannery Rd & Shamrock Dr

04/22/2019

												
Lane Group	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Traffic Volume (vph)	13	165	12	4	153	4	17	2	9	5	2	34
Future Volume (vph)	13	165	12	4	153	4	17	2	9	5	2	34
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	0		0	0		0	0		0	0		0
Storage Lanes	0		0	0		0	0		0	0		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor												
Frt		0.991			0.997			0.955			0.886	
Flt Protected		0.997			0.999			0.971			0.994	
Satd. Flow (prot)	0	1840	0	0	1855	0	0	1727	0	0	1640	0
Flt Permitted		0.997			0.999			0.971			0.994	
Satd. Flow (perm)	0	1840	0	0	1855	0	0	1727	0	0	1640	0
Link Speed (mph)		25			25			25			25	
Link Distance (ft)		1051			1067			332			467	
Travel Time (s)		28.7			29.1			9.1			12.7	
Lane Group Flow (vph)	0	206	0	0	174	0	0	30	0	0	44	0
Sign Control		Stop			Stop			Stop			Stop	

Intersection Summary

Area Type: Other





















Control Type: Unsignalized

Intersection Capacity Utilization 27.9% ICU Level of Service A

Analysis Period (min) 15

Lanes, Volumes, Timings  
4: San Pablo Ave & Shamrock Dr

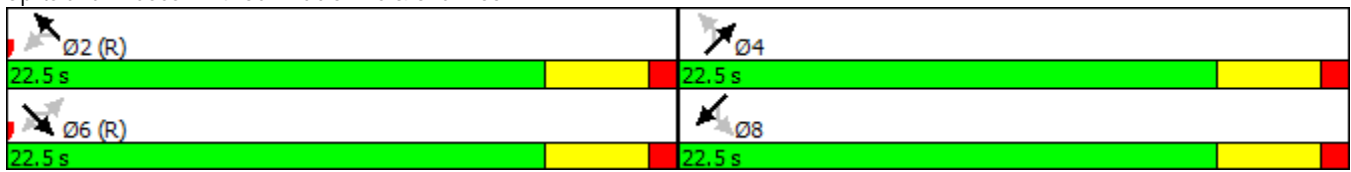
04/22/2019

												
Lane Group	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Traffic Volume (vph)	85	9	12	176	33	22	17	398	150	13	812	72
Future Volume (vph)	85	9	12	176	33	22	17	398	150	13	812	72
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	0		0	0		0	0		0	0		0
Storage Lanes	0		1	1		0	1		0	1		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	1.00	0.95	0.95
Ped Bike Factor												
Frt			0.850		0.940			0.959			0.988	
Flt Protected		0.957		0.950			0.950			0.950		
Satd. Flow (prot)	0	1783	1583	1770	1751	0	1770	3394	0	1770	3497	0
Flt Permitted		0.746		0.691			0.222			0.398		
Satd. Flow (perm)	0	1390	1583	1287	1751	0	414	3394	0	741	3497	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			36		24			144			24	
Link Speed (mph)		30			30			45			45	
Link Distance (ft)		136			200			741			720	
Travel Time (s)		3.1			4.5			11.2			10.9	
Lane Group Flow (vph)	0	102	13	191	60	0	18	596	0	14	961	0
Turn Type	Perm	NA	Perm	Perm	NA		Perm	NA		Perm	NA	
Protected Phases		6			2			4			8	
Permitted Phases	6		6	2			4			8		
Total Split (s)	22.5	22.5	22.5	22.5	22.5		22.5	22.5		22.5	22.5	
Total Lost Time (s)		4.5	4.5	4.5	4.5		4.5	4.5		4.5	4.5	
Act Efect Green (s)		18.0	18.0	18.0	18.0		18.0	18.0		18.0	18.0	
Actuated g/C Ratio		0.40	0.40	0.40	0.40		0.40	0.40		0.40	0.40	
v/c Ratio		0.18	0.02	0.37	0.08		0.11	0.41		0.05	0.68	
Control Delay		9.9	1.6	12.2	6.3		10.6	8.2		8.9	13.8	
Queue Delay		0.0	0.0	0.0	0.0		0.0	0.0		0.0	0.0	
Total Delay		9.9	1.6	12.2	6.3		10.6	8.2		8.9	13.8	
LOS		A	A	B	A		B	A		A	B	
Approach Delay		8.9			10.8			8.3			13.8	
Approach LOS		A			B			A			B	
Intersection Summary												
Area Type:	Other											
Cycle Length: 45												
Actuated Cycle Length: 45												
Offset: 0 (0%), Referenced to phase 2:NWTL and 6:SETL, Start of Green												
Control Type: Pretimed												
Maximum v/c Ratio: 0.68												
Intersection Signal Delay: 11.4					Intersection LOS: B							
Intersection Capacity Utilization 49.9%					ICU Level of Service A							
Analysis Period (min) 15												

# Lanes, Volumes, Timings 4: San Pablo Ave & Shamrock Dr

04/22/2019

Splits and Phases: 4: San Pablo Ave & Shamrock Dr





# Lanes, Volumes, Timings

## 5: Dolan Way & School Driveway1

04/22/2019



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	0	0	0	0	0	0
Future Volume (vph)	0	0	0	0	0	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12
Grade (%)		0%	0%		0%	
Storage Length (ft)	0			0	0	0
Storage Lanes	0			0	1	0
Taper Length (ft)	25				25	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor						
Frt						
Flt Protected						
Satd. Flow (prot)	0	1863	1863	0	1863	0
Flt Permitted						
Satd. Flow (perm)	0	1863	1863	0	1863	0
Link Speed (mph)		30	30		30	
Link Distance (ft)		494	919		434	
Travel Time (s)		11.2	20.9		9.9	
Lane Group Flow (vph)	0	0	0	0	0	0
Sign Control		Free	Free		Stop	

### Intersection Summary

Area Type: Other

Control Type: Unsignalized

Intersection Capacity Utilization 0.0%










ICU Level of Service A

Analysis Period (min) 15

# Lanes, Volumes, Timings

## 6: Dolan Way & Driveway2

04/22/2019

						
Lane Group	NBL	NBR	SEL	SER	SWL	SWR
Lane Configurations						
Traffic Volume (vph)	0	0	0	0	0	0
Future Volume (vph)	0	0	0	0	0	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12
Grade (%)	0%		0%		0%	
Storage Length (ft)	0	0	0	0	0	0
Storage Lanes	0	1	0	1	1	0
Taper Length (ft)	25		25		25	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor						
Frt						
Flt Protected						
Satd. Flow (prot)	0	1863	0	1863	1863	0
Flt Permitted						
Satd. Flow (perm)	0	1863	0	1863	1863	0
Link Speed (mph)	30		30		25	
Link Distance (ft)	279		273		494	
Travel Time (s)	6.3		6.2		13.5	
Lane Group Flow (vph)	0	0	0	0	0	0
Sign Control	Free		Stop		Free	
Intersection Summary						
Area Type:	Other					
Control Type:	Unsignalized					
Intersection Capacity Utilization	0.0%			ICU Level of Service A		
Analysis Period (min)	15					

# SimTraffic Simulation Summary

## Baseline

05/09/2019

### Summary of All Intervals

Run Number	1	10	2	3	4	5	6
Start Time	6:57	6:57	6:57	6:57	6:57	6:57	6:57
End Time	7:10	7:10	7:10	7:10	7:10	7:10	7:10
Total Time (min)	13	13	13	13	13	13	13
Time Recorded (min)	10	10	10	10	10	10	10
# of Intervals	2	2	2	2	2	2	2
# of Recorded Intervals	1	1	1	1	1	1	1
Vehs Entered	435	442	449	487	444	444	452
Vehs Exited	423	419	431	439	414	407	424
Starting Vehs	75	66	69	47	55	47	63
Ending Vehs	87	89	87	95	85	84	91
Travel Distance (mi)	136	136	138	143	139	131	142
Travel Time (hr)	14.3	15.7	18.4	12.4	14.9	11.4	14.7
Total Delay (hr)	9.6	11.0	13.6	7.5	10.2	6.9	9.7
Total Stops	468	495	463	611	533	518	547
Fuel Used (gal)	7.1	7.6	8.2	6.9	7.4	6.3	7.5

### Summary of All Intervals

Run Number	7	8	9	Avg
Start Time	6:57	6:57	6:57	6:57
End Time	7:10	7:10	7:10	7:10
Total Time (min)	13	13	13	13
Time Recorded (min)	10	10	10	10
# of Intervals	2	2	2	2
# of Recorded Intervals	1	1	1	1
Vehs Entered	458	452	455	450
Vehs Exited	444	422	425	424
Starting Vehs	63	55	59	54
Ending Vehs	77	85	89	80
Travel Distance (mi)	144	133	142	138
Travel Time (hr)	12.4	13.7	13.2	14.1
Total Delay (hr)	7.4	9.2	8.3	9.3
Total Stops	595	523	583	534
Fuel Used (gal)	7.0	7.1	7.1	7.2

### Interval #0 Information Seeding

Start Time	6:57
End Time	7:00
Total Time (min)	3
Volumes adjusted by Growth Factors.	
No data recorded this interval.	

# SimTraffic Simulation Summary

## Baseline

05/09/2019

### Interval #1 Information Recording

Start Time 7:00  
End Time 7:10  
Total Time (min) 10

Volumes adjusted by Growth Factors.

Run Number	1	10	2	3	4	5	6
Vehs Entered	435	442	449	487	444	444	452
Vehs Exited	423	419	431	439	414	407	424
Starting Vehs	75	66	69	47	55	47	63
Ending Vehs	87	89	87	95	85	84	91
Travel Distance (mi)	136	136	138	143	139	131	142
Travel Time (hr)	14.3	15.7	18.4	12.4	14.9	11.4	14.7
Total Delay (hr)	9.6	11.0	13.6	7.5	10.2	6.9	9.7
Total Stops	468	495	463	611	533	518	547
Fuel Used (gal)	7.1	7.6	8.2	6.9	7.4	6.3	7.5

### Interval #1 Information Recording

Start Time 7:00  
End Time 7:10  
Total Time (min) 10

Volumes adjusted by Growth Factors.

Run Number	7	8	9	Avg
Vehs Entered	458	452	455	450
Vehs Exited	444	422	425	424
Starting Vehs	63	55	59	54
Ending Vehs	77	85	89	80
Travel Distance (mi)	144	133	142	138
Travel Time (hr)	12.4	13.7	13.2	14.1
Total Delay (hr)	7.4	9.2	8.3	9.3
Total Stops	595	523	583	534
Fuel Used (gal)	7.0	7.1	7.1	7.2

## Queuing and Blocking Report

### Baseline

05/09/2019

#### Intersection: 1: Flannery Rd & Dolan Way

Movement	EB	WB
Directions Served	LTR	LTR
Maximum Queue (ft)	40	31
Average Queue (ft)	29	20
95th Queue (ft)	51	44
Link Distance (ft)	842	230
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

#### Intersection: 2: Shamrock Dr & Dolan Way

Movement	EB	SB
Directions Served	LT	LR
Maximum Queue (ft)	20	48
Average Queue (ft)	4	37
95th Queue (ft)	24	53
Link Distance (ft)	1018	220
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

#### Intersection: 3: Flannery Rd & Shamrock Dr

Movement	SE	NW	NE	SW
Directions Served	LTR	LTR	LTR	LTR
Maximum Queue (ft)	56	59	28	33
Average Queue (ft)	45	45	10	20
95th Queue (ft)	64	66	33	45
Link Distance (ft)	993	1018	304	438
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

## Queuing and Blocking Report

### Baseline

05/09/2019

#### Intersection: 4: San Pablo Ave & Shamrock Dr

Movement	SE	SE	NW	NW	NE	NE	NE	SW	SW	SW
Directions Served	LT	R	L	TR	L	T	TR	L	T	TR
Maximum Queue (ft)	49	15	75	47	716	732	724	108	87	52
Average Queue (ft)	26	5	50	26	434	625	607	74	59	30
95th Queue (ft)	60	24	84	59	989	855	856	153	95	58
Link Distance (ft)	90	90	126	126	695	695	695	686	686	686
Upstream Blk Time (%)	0				33	50	45			
Queuing Penalty (veh)	0				0	0	0			
Storage Bay Dist (ft)										
Storage Blk Time (%)										
Queuing Penalty (veh)										

#### Intersection: 5: Dolan Way & School Driveway1

Movement	EB	SB
Directions Served	LT	LR
Maximum Queue (ft)	6	34
Average Queue (ft)	2	26
95th Queue (ft)	14	40
Link Distance (ft)	438	387
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

#### Intersection: 6: Dolan Way & Driveway2

Movement	SE
Directions Served	R
Maximum Queue (ft)	53
Average Queue (ft)	36
95th Queue (ft)	56
Link Distance (ft)	250
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	



















#### Network Summary

Network wide Queuing Penalty: 0

Lanes, Volumes, Timings  
1: Flannery Rd & Dolan Way

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
















05/09/2019

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	30	19	8	2	16	8	4	9	5	10	15	33
Future Volume (vph)	52	30	19	2	20	8	8	9	5	10	15	42
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt		0.974			0.963			0.950			0.889	
Flt Protected		0.975			0.997		0.950			0.950		
Satd. Flow (prot)	0	1769	0	0	1788	0	1770	1770	0	1770	1656	0
Flt Permitted		0.975			0.997		0.950			0.950		
Satd. Flow (perm)	0	1769	0	0	1788	0	1770	1770	0	1770	1656	0
Link Speed (mph)		25			25			25			25	
Link Distance (ft)		919			265			170			309	
Travel Time (s)		25.1			7.2			4.6			8.4	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	57	33	21	2	22	9	9	10	5	11	16	46
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	111	0	0	33	0	9	15	0	11	62	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		0			0			12			12	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Sign Control		Stop			Stop			Free			Free	
Intersection Summary												
Area Type:	Other											
Control Type:	Unsignalized											
Intersection Capacity Utilization	23.7%											
Analysis Period (min)	15											
ICU Level of Service A												

Lanes and Geometrics  
1: Flannery Rd & Dolan Way

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05/09/2019













												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	0		0	0		0	0		0	0		0
Storage Lanes	0		0	0		0	1		0	1		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor												
Frt		0.974			0.963			0.950			0.889	
Flt Protected		0.975			0.997		0.950			0.950		
Satd. Flow (prot)	0	1769	0	0	1788	0	1770	1770	0	1770	1656	0
Flt Permitted		0.975			0.997		0.950			0.950		
Satd. Flow (perm)	0	1769	0	0	1788	0	1770	1770	0	1770	1656	0
Link Speed (mph)		25			25			25			25	
Link Distance (ft)		919			265			170			309	
Travel Time (s)		25.1			7.2			4.6			8.4	
<b>Intersection Summary</b>												
Area Type:	Other											



Volume  
1: Flannery Rd & Dolan Way












North Compus PM+Project.syn

05/09/2019

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Volume (vph)	30	19	8	2	16	8	4	9	5	10	15	33
Future Volume (vph)	52	30	19	2	20	8	8	9	5	10	15	42
Confl. Peds. (#/hr)												
Confl. Bikes (#/hr)												
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	57	33	21	2	22	9	9	10	5	11	16	46
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	111	0	0	33	0	9	15	0	11	62	0
Intersection Summary												

Simulation Settings  
1: Flannery Rd & Dolan Way

North Compus PM+Project.syn  
05/09/2019


















												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		0			0			12			12	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Intersection Summary												

# Intersection Capacity Utilization

## 1: Flannery Rd & Dolan Way

North Compus PM+Project.syn

05/09/2019

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	30	19	8	2	16	8	4	9	5	10	15	33
Pedestrians												
Ped Button												
Pedestrian Timing (s)												
Free Right	No			No			No			No		
Ideal Flow	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lost Time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Minimum Green (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Refr Cycle Length (s)	120	120	120	120	120	120	120	120	120	120	120	120
Volume Combined (vph)	0	57	0	0	26	0	4	14	0	10	48	0
Lane Utilization Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Factor (vph)	0.95	0.95	0.85	0.95	0.95	0.85	0.95	0.95	0.85	0.95	0.90	0.85
Saturated Flow (vph)	0	1811	0	0	1805	0	1805	1798	0	1805	1704	0
Ped Intf Time (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pedestrian Frequency (%)	0.00		0.00				0.00				0.00	
Protected Option Allowed	No			No			Yes			Yes		
Reference Time (s)	0.0			0.0			0.3	0.9	0.0	0.7	3.4	0.0
Adj Reference Time (s)	0.0			0.0			8.0	8.0	0.0	8.0	8.0	0.0
Permitted Option												
Adj Saturation A (vph)	0	461		0	1806		120	1798		120	1704	
Reference Time A (s)	0.0	14.8		0.0	1.7		4.0	0.9		10.0	3.4	
Adj Saturation B (vph)	0	0		0	0		0	1798		0	1704	
Reference Time B (s)	10.0	11.8		8.1	9.7		8.3	0.9		8.7	3.4	
Reference Time (s)	11.8			1.7			4.0			8.7		
Adj Reference Time (s)	15.8			8.0			8.0			12.7		
Split Option												
Ref Time Combined (s)	0.0	3.8		0.0	1.7		0.3	0.9		0.7	3.4	
Ref Time Seperate (s)	2.0	1.3		0.1	1.1		0.3	0.6		0.7	1.1	
Reference Time (s)	3.8	3.8		1.7	1.7		0.9	0.9		3.4	3.4	
Adj Reference Time (s)	8.0	8.0		8.0	8.0		8.0	8.0		8.0	8.0	
Summary	EB WB		NB SB		Combined							
Protected Option (s)	NA		16.0									
Permitted Option (s)	15.8		12.7									
Split Option (s)	16.0		16.0									
Minimum (s)	15.8		12.7		28.4							
Right Turns												
Adj Reference Time (s)												
Cross Thru Ref Time (s)												
Oncoming Left Ref Time (s)												
Combined (s)												
Intersection Summary												
Intersection Capacity Utilization	23.7%			ICU Level of Service			A					
Reference Times and Phasing Options do not represent an optimized timing plan.												

Lanes, Volumes, Timings  
2: Shamrock Dr & Dolan Way

North Compus PM+Project.syn  
05/09/2019



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↰	↱		↱	
Traffic Volume (vph)	62	72	35	2	2	35
Future Volume (vph)	126	72	35	6	13	200
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt			0.979		0.873	
Flt Protected		0.969			0.997	
Satd. Flow (prot)	0	1805	1824	0	1621	0
Flt Permitted		0.969			0.997	
Satd. Flow (perm)	0	1805	1824	0	1621	0
Link Speed (mph)		25	25		25	
Link Distance (ft)		1067	365		279	
Travel Time (s)		29.1	10.0		7.6	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	137	78	38	7	14	217
Shared Lane Traffic (%)						
Lane Group Flow (vph)	0	215	45	0	231	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Left	Left	Right	Left	Right
Median Width(ft)		0	0		12	
Link Offset(ft)		0	0		0	
Crosswalk Width(ft)		16	16		16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15			9	15	9
Sign Control		Free	Free		Stop	

Intersection Summary

Area Type:	Other
Control Type:	Unsignalized
Intersection Capacity Utilization	23.9%
Analysis Period (min)	15
	ICU Level of Service A

# Lanes and Geometrics

## 2: Shamrock Dr & Dolan Way

North Compus PM+Project.syn  
05/09/2019



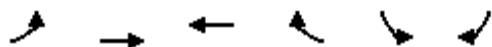
Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↰	↰		↰	
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12
Grade (%)		0%	0%		0%	
Storage Length (ft)	0			0	0	0
Storage Lanes	0			0	1	0
Taper Length (ft)	25				25	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor						
Frt			0.979		0.873	
Flt Protected		0.969			0.997	
Satd. Flow (prot)	0	1805	1824	0	1621	0
Flt Permitted		0.969			0.997	
Satd. Flow (perm)	0	1805	1824	0	1621	0
Link Speed (mph)		25	25		25	
Link Distance (ft)		1067	365		279	
Travel Time (s)		29.1	10.0		7.6	

### Intersection Summary

Area Type: Other

Volume  
2: Shamrock Dr & Dolan Way

North Compus PM+Project.syn  
05/09/2019



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Traffic Volume (vph)	62	72	35	2	2	35
Future Volume (vph)	126	72	35	6	13	200
Confl. Peds. (#/hr)						
Confl. Bikes (#/hr)						
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Growth Factor	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0
Parking (#/hr)						
Mid-Block Traffic (%)		0%	0%		0%	
Adj. Flow (vph)	137	78	38	7	14	217
Shared Lane Traffic (%)						
Lane Group Flow (vph)	0	215	45	0	231	0
Intersection Summary						

Simulation Settings  
2: Shamrock Dr & Dolan Way

North Compus PM+Project.syn  
05/09/2019



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Left	Left	Right	Left	Right
Median Width(ft)		0	0		12	
Link Offset(ft)		0	0		0	
Crosswalk Width(ft)		16	16		16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15			9	15	9
Intersection Summary						

# Intersection Capacity Utilization

## 2: Shamrock Dr & Dolan Way

North Compus PM+Project.syn

05/09/2019



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↰	↰		↰	
Volume (vph)	62	72	35	2	2	35
Pedestrians						
Ped Button						
Pedestrian Timing (s)						
Free Right				No		No
Ideal Flow	1900	1900	1900	1900	1900	1900
Lost Time (s)	4.0	4.0	4.0	4.0	4.0	4.0
Minimum Green (s)	4.0	4.0	4.0	4.0	4.0	4.0
Refr Cycle Length (s)	120	120	120	120	120	120
Volume Combined (vph)	0	134	37	0	37	0
Lane Utilization Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Factor (vph)	0.95	0.98	0.99	0.85	0.86	0.85
Saturated Flow (vph)	0	1856	1885	0	1626	0
Ped Intf Time (s)	0.0	0.0	0.0	0.0	0.0	0.0
Pedestrian Frequency (%)		0.00	0.00		0.00	
Protected Option Allowed		No	No		No	
Reference Time (s)				0.0		0.0
Adj Reference Time (s)				0.0		0.0
Permitted Option						
Adj Saturation A (vph)	0	227	1885		108	
Reference Time A (s)	0.0	70.9	2.4		41.0	
Adj Saturation B (vph)	0	0	1885		NA	
Reference Time B (s)	12.1	16.7	2.4		NA	
Reference Time (s)		16.7	2.4			
Adj Reference Time (s)		20.7	8.0			
Split Option						
Ref Time Combined (s)	0.0	8.7	2.4		2.7	
Ref Time Seperate (s)	4.1	4.5	2.2		0.1	
Reference Time (s)	8.7	8.7	2.4		2.7	
Adj Reference Time (s)	12.7	12.7	8.0		8.0	
Summary	EB WB		SB		Combined	
Protected Option (s)	NA		NA			
Permitted Option (s)	20.7		Err			
Split Option (s)	20.7		8.0			
Minimum (s)	20.7		8.0		28.7	

### Right Turns

Adj Reference Time (s)	
Cross Thru Ref Time (s)	
Oncoming Left Ref Time (s)	
Combined (s)	

### Intersection Summary

















Intersection Capacity Utilization	23.9%	ICU Level of Service	A
Reference Times and Phasing Options do not represent an optimized timing plan.			



Lanes, Volumes, Timings  
3: Flannery Rd & Shamrock Dr

North Compus PM+Project.syn

















05/09/2019

												
Lane Group	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Traffic Volume (vph)	21	160	22	5	79	5	6	4	1	7	5	8
Future Volume (vph)	21	211	22	16	211	27	6	4	5	16	5	8
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt		0.988			0.986			0.958			0.961	
Flt Protected		0.996			0.997			0.979			0.973	
Satd. Flow (prot)	0	1833	0	0	1831	0	0	1747	0	0	1742	0
Flt Permitted		0.996			0.997			0.979			0.973	
Satd. Flow (perm)	0	1833	0	0	1831	0	0	1747	0	0	1742	0
Link Speed (mph)		25			25			25			25	
Link Distance (ft)		1051			1067			332			467	
Travel Time (s)		28.7			29.1			9.1			12.7	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	23	229	24	17	229	29	7	4	5	17	5	9
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	276	0	0	275	0	0	16	0	0	31	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		0			0			0			0	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Sign Control		Stop			Stop			Stop			Stop	
<b>Intersection Summary</b>												
Area Type:	Other											
Control Type:	Unsignalized											
Intersection Capacity Utilization 26.8%	ICU Level of Service A											
Analysis Period (min) 15												

Lanes and Geometrics  
3: Flannery Rd & Shamrock Dr













North Compus PM+Project.syn

05/09/2019

												
Lane Group	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	0		0	0		0	0		0	0		0
Storage Lanes	0		0	0		0	0		0	0		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor												
Frt		0.988			0.986			0.958			0.961	
Flt Protected		0.996			0.997			0.979			0.973	
Satd. Flow (prot)	0	1833	0	0	1831	0	0	1747	0	0	1742	0
Flt Permitted		0.996			0.997			0.979			0.973	
Satd. Flow (perm)	0	1833	0	0	1831	0	0	1747	0	0	1742	0
Link Speed (mph)		25			25			25			25	
Link Distance (ft)		1051			1067			332			467	
Travel Time (s)		28.7			29.1			9.1			12.7	
<b>Intersection Summary</b>												
Area Type:	Other											

Volume  
3: Flannery Rd & Shamrock Dr

North Compus PM+Project.syn  
05/09/2019

												
Lane Group	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Traffic Volume (vph)	21	160	22	5	79	5	6	4	1	7	5	8
Future Volume (vph)	21	211	22	16	211	27	6	4	5	16	5	8
Confl. Peds. (#/hr)												
Confl. Bikes (#/hr)												
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	23	229	24	17	229	29	7	4	5	17	5	9
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	276	0	0	275	0	0	16	0	0	31	0
Intersection Summary												

Simulation Settings  
3: Flannery Rd & Shamrock Dr

North Compus PM+Project.syn  
05/09/2019



















Lane Group	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		0			0			0			0	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Intersection Summary												

# Intersection Capacity Utilization

## 3: Flannery Rd & Shamrock Dr

North Compus PM+Project.syn





















05/09/2019

												
Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Volume (vph)	21	160	22	5	79	5	6	4	1	7	5	8
Pedestrians												
Ped Button												
Pedestrian Timing (s)												
Free Right	No			No			No			No		
Ideal Flow	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lost Time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Minimum Green (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Refr Cycle Length (s)	120	120	120	120	120	120	120	120	120	120	120	120
Volume Combined (vph)	0	203	0	0	89	0	0	11	0	0	20	0
Lane Utilization Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Factor (vph)	0.95	0.98	0.85	0.95	0.99	0.85	0.95	0.96	0.85	0.95	0.92	0.85
Saturated Flow (vph)	0	1859	0	0	1879	0	0	1823	0	0	1755	0
Ped Intf Time (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pedestrian Frequency (%)	0.00		0.00			0.00			0.00			
Protected Option Allowed	No			No			No			No		
Reference Time (s)	0.0			0.0			0.0			0.0		
Adj Reference Time (s)	0.0			0.0			0.0			0.0		
Permitted Option												
Adj Saturation A (vph)	0	1206		0	1614		0	1136		0	1609	
Reference Time A (s)	0.0	20.2		0.0	6.6		0.0	1.2		0.0	1.5	
Adj Saturation B (vph)	0	0		NA	NA		0	0		0	0	
Reference Time B (s)	9.4	21.1		NA	NA		8.4	8.7		8.5	9.4	
Reference Time (s)	20.2		6.6			1.2			1.5			
Adj Reference Time (s)	24.2		10.6			8.0			8.0			
Split Option												
Ref Time Combined (s)	0.0	13.1		0.0	5.7		0.0	0.7		0.0	1.4	
Ref Time Seperate (s)	1.4	10.3		0.3	5.0		0.4	0.3		0.5	0.3	
Reference Time (s)	13.1	13.1		5.7	5.7		0.7	0.7		1.4	1.4	
Adj Reference Time (s)	17.1	17.1		9.7	9.7		8.0	8.0		8.0	8.0	
Summary	NW SE		NE SW		Combined							
Protected Option (s)	NA		NA									
Permitted Option (s)	24.2		8.0									
Split Option (s)	26.8		16.0									
Minimum (s)	24.2		8.0		32.2							
Right Turns												
Adj Reference Time (s)												
Cross Thru Ref Time (s)												
Oncoming Left Ref Time (s)												
Combined (s)												
Intersection Summary												
Intersection Capacity Utilization	26.8%			ICU Level of Service			A					
Reference Times and Phasing Options do not represent an optimized timing plan.												

Lanes, Volumes, Timings  
4: San Pablo Ave & Shamrock Dr













North Compus PM+Project.syn

05/09/2019

												
Lane Group	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Traffic Volume (vph)	44	6	12	94	4	27	38	1518	207	15	350	79
Future Volume (vph)	44	10	12	171	15	71	38	1518	237	32	350	79
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	1.00	0.95	0.95
Frt			0.850		0.876			0.980			0.972	
Flt Protected		0.961		0.950			0.950			0.950		
Satd. Flow (prot)	0	1790	1583	1770	1632	0	1770	3468	0	1770	3440	0
Flt Permitted		0.788		0.719			0.484			0.222		
Satd. Flow (perm)	0	1468	1583	1339	1632	0	902	3468	0	414	3440	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			36		3			46			72	
Link Speed (mph)		30			30			45			45	
Link Distance (ft)		136			200			741			720	
Travel Time (s)		3.1			4.5			11.2			10.9	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	48	11	13	186	16	77	41	1650	258	35	380	86
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	59	13	186	93	0	41	1908	0	35	466	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		12			12			12			12	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Turn Type	Perm	NA	Perm	Perm	NA		Perm	NA		Perm	NA	
Protected Phases		6			2			4			8	
Permitted Phases	6		6	2			4			8		
Minimum Split (s)	22.5	22.5	22.5	22.5	22.5		22.5	22.5		22.5	22.5	
Total Split (s)	22.5	22.5	22.5	22.5	22.5		22.5	22.5		22.5	22.5	
Total Split (%)	50.0%	50.0%	50.0%	50.0%	50.0%		50.0%	50.0%		50.0%	50.0%	
Maximum Green (s)	18.0	18.0	18.0	18.0	18.0		18.0	18.0		18.0	18.0	
Yellow Time (s)	3.5	3.5	3.5	3.5	3.5		3.5	3.5		3.5	3.5	
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0		1.0	1.0		1.0	1.0	
Lost Time Adjust (s)		0.0	0.0	0.0	0.0		0.0	0.0		0.0	0.0	
Total Lost Time (s)		4.5	4.5	4.5	4.5		4.5	4.5		4.5	4.5	
Lead/Lag												
Lead-Lag Optimize?												
Walk Time (s)	7.0	7.0	7.0	7.0	7.0		7.0	7.0		7.0	7.0	
Flash Dont Walk (s)	11.0	11.0	11.0	11.0	11.0		11.0	11.0		11.0	11.0	
Pedestrian Calls (#/hr)	0	0	0	0	0		0	0		0	0	
Act Effect Green (s)		18.0	18.0	18.0	18.0		18.0	18.0		18.0	18.0	
Actuated g/C Ratio		0.40	0.40	0.40	0.40		0.40	0.40		0.40	0.40	
v/c Ratio		0.10	0.02	0.35	0.14		0.11	1.35		0.21	0.33	
Control Delay		9.1	1.6	11.8	9.1		9.6	180.7		12.9	8.6	
Queue Delay		0.0	0.0	0.0	0.0		0.0	0.0		0.0	0.0	
Total Delay		9.1	1.6	11.8	9.1		9.6	180.7		12.9	8.6	

Lanes, Volumes, Timings  
4: San Pablo Ave & Shamrock Dr

North Compus PM+Project.syn  
05/09/2019

												
Lane Group	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
LOS		A	A	B	A		A	F		B	A	
Approach Delay		7.7			10.9			177.1			8.9	
Approach LOS		A			B			F			A	

Intersection Summary

Area Type: Other

Cycle Length: 45

Actuated Cycle Length: 45

Offset: 0 (0%), Referenced to phase 2:NWTL and 6:SETL, Start of Green

Natural Cycle: 65

Control Type: Pretimed

Maximum v/c Ratio: 1.35

Intersection Signal Delay: 126.1





Intersection LOS: F

Intersection Capacity Utilization 67.9%

ICU Level of Service C





















Analysis Period (min) 15

Splits and Phases: 4: San Pablo Ave & Shamrock Dr

 Ø2 (R)	 Ø4
22.5 s	22.5 s
 Ø6 (R)	 Ø8
22.5 s	22.5 s

Lanes and Geometrics  
4: San Pablo Ave & Shamrock Dr

North Compus PM+Project.syn  
05/09/2019

												
Lane Group	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	0		0	0		0	0		0	0		0
Storage Lanes	0		1	1		0	1		0	1		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	1.00	0.95	0.95
Ped Bike Factor												
Frt			0.850		0.876			0.980			0.972	
Flt Protected		0.961		0.950			0.950			0.950		
Satd. Flow (prot)	0	1790	1583	1770	1632	0	1770	3468	0	1770	3440	0
Flt Permitted		0.788		0.719			0.484			0.222		
Satd. Flow (perm)	0	1468	1583	1339	1632	0	902	3468	0	414	3440	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			36		3			46			72	
Link Speed (mph)		30			30			45			45	
Link Distance (ft)		136			200			741			720	
Travel Time (s)		3.1			4.5			11.2			10.9	













Intersection Summary

Area Type: Other



Volume  
4: San Pablo Ave & Shamrock Dr


















North Campus PM+Project.syn  
05/09/2019

												
Lane Group	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Traffic Volume (vph)	44	6	12	94	4	27	38	1518	207	15	350	79
Future Volume (vph)	44	10	12	171	15	71	38	1518	237	32	350	79
Confl. Peds. (#/hr)												
Confl. Bikes (#/hr)												
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	48	11	13	186	16	77	41	1650	258	35	380	86
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	59	13	186	93	0	41	1908	0	35	466	0
Intersection Summary												

Timings  
4: San Pablo Ave & Shamrock Dr

North Compus PM+Project.syn





05/09/2019

									
Lane Group	SEL	SET	SER	NWL	NWT	NEL	NET	SWL	SWT
Lane Configurations									
Traffic Volume (vph)	44	6	12	94	4	38	1518	15	350
Future Volume (vph)	44	10	12	171	15	38	1518	32	350
Turn Type	Perm	NA	Perm	Perm	NA	Perm	NA	Perm	NA
Protected Phases		6			2		4		8
Permitted Phases	6		6	2		4		8	
Detector Phase	6	6	6	2	2	4	4	8	8
Switch Phase									
Minimum Initial (s)	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Minimum Split (s)	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
Total Split (s)	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
Total Split (%)	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%
Yellow Time (s)	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)		4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Lead/Lag									
Lead-Lag Optimize?									
Recall Mode	Max	Max	Max	Max	Max	Max	Max	Max	Max
Act Effect Green (s)		18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
Actuated g/C Ratio		0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
v/c Ratio		0.10	0.02	0.35	0.14	0.11	1.35	0.21	0.33
Control Delay		9.1	1.6	11.8	9.1	9.6	180.7	12.9	8.6
Queue Delay		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay		9.1	1.6	11.8	9.1	9.6	180.7	12.9	8.6
LOS		A	A	B	A	A	F	B	A
Approach Delay		7.7			10.9		177.1		8.9
Approach LOS		A			B		F		A

Intersection Summary

Cycle Length: 45
Actuated Cycle Length: 45
Offset: 0 (0%), Referenced to phase 2:NWTL and 6:SETL, Start of Green
Natural Cycle: 65
Control Type: Pretimed
Maximum v/c Ratio: 1.35
Intersection Signal Delay: 126.1
Intersection Capacity Utilization 67.9%
Analysis Period (min) 15
Intersection LOS: F
ICU Level of Service C

Splits and Phases: 4: San Pablo Ave & Shamrock Dr

 Ø2 (R)	 Ø4
22.5 s	22.5 s
 Ø6 (R)	 Ø8
22.5 s	22.5 s

Phasings  
4: San Pablo Ave & Shamrock Dr

North Compus PM+Project.syn

05/09/2019



Lane Group	SEL	SET	SER	NWL	NWT	NEL	NET	SWL	SWT
Protected Phases		6			2		4		8
Permitted Phases	6		6	2		4		8	
Minimum Initial (s)	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Minimum Split (s)	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
Total Split (s)	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
Total Split (%)	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%
Maximum Green (s)	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
Yellow Time (s)	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lead/Lag									
Lead-Lag Optimize?									
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Minimum Gap (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Time Before Reduce (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time To Reduce (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Recall Mode	Max	Max	Max	Max	Max	Max	Max	Max	Max
Walk Time (s)	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
Flash Dont Walk (s)	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
Pedestrian Calls (#/hr)	0	0	0	0	0	0	0	0	0
90th %ile Green (s)	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
90th %ile Term Code	Coord	Coord	Coord	Coord	Coord	MaxR	MaxR	MaxR	MaxR
70th %ile Green (s)	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
70th %ile Term Code	Coord	Coord	Coord	Coord	Coord	MaxR	MaxR	MaxR	MaxR
50th %ile Green (s)	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
50th %ile Term Code	Coord	Coord	Coord	Coord	Coord	MaxR	MaxR	MaxR	MaxR
30th %ile Green (s)	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
30th %ile Term Code	Coord	Coord	Coord	Coord	Coord	MaxR	MaxR	MaxR	MaxR
10th %ile Green (s)	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
10th %ile Term Code	Coord	Coord	Coord	Coord	Coord	MaxR	MaxR	MaxR	MaxR

Intersection Summary

Cycle Length: 45

Actuated Cycle Length: 45

Offset: 0 (0%), Referenced to phase 2:NWTL and 6:SETL, Start of Green

Control Type: Pretimed

Queues  
4: San Pablo Ave & Shamrock Dr

North Compus PM+Project.syn  
05/09/2019



Lane Group	SET	SER	NWL	NWT	NEL	NET	SWL	SWT
Lane Group Flow (vph)	59	13	186	93	41	1908	35	466
v/c Ratio	0.10	0.02	0.35	0.14	0.11	1.35	0.21	0.33
Control Delay	9.1	1.6	11.8	9.1	9.6	180.7	12.9	8.6
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	9.1	1.6	11.8	9.1	9.6	180.7	12.9	8.6
Queue Length 50th (ft)	9	0	32	14	6	~362	6	34
Queue Length 95th (ft)	25	3	69	35	21	#484	22	59
Internal Link Dist (ft)	56			120		661		640
Turn Bay Length (ft)								
Base Capacity (vph)	587	654	535	654	360	1414	165	1419
Starvation Cap Reductn	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.10	0.02	0.35	0.14	0.11	1.35	0.21	0.33

Intersection Summary

- ~ Volume exceeds capacity, queue is theoretically infinite.  
Queue shown is maximum after two cycles.
- # 95th percentile volume exceeds capacity, queue may be longer.  
Queue shown is maximum after two cycles.

Simulation Settings  
4: San Pablo Ave & Shamrock Dr

North Compus PM+Project.syn  
05/09/2019



Lane Group	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		12			12			12			12	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9





















Intersection Summary

# Intersection Capacity Utilization

## 4: San Pablo Ave & Shamrock Dr

North Compus PM+Project.syn

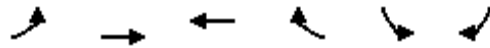
05/09/2019

												
Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Volume (vph)	44	6	12	94	4	27	38	1518	207	15	350	79
Pedestrians												
Ped Button												
Pedestrian Timing (s)												
Free Right	No			No			No			No		
Ideal Flow	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lost Time (s)	4.5	4.5	4.5	4.5	4.5	4.0	4.5	4.5	4.0	4.5	4.5	4.0
Minimum Green (s)	5.0	5.0	5.0	5.0	5.0	4.0	5.0	5.0	4.0	5.0	5.0	4.0
Refr Cycle Length (s)	120	120	120	120	120	120	120	120	120	120	120	120
Volume Combined (vph)	0	50	12	94	31	0	38	1725	0	15	429	0
Lane Utilization Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	1.00	1.00	0.95	1.00
Turning Factor (vph)	0.95	0.96	0.85	0.95	0.87	0.85	0.95	0.98	0.85	0.95	0.97	0.85
Saturated Flow (vph)	0	1816	1615	1805	1652	0	1805	3552	0	1805	3518	0
Ped Intf Time (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pedestrian Frequency (%)	0.00		0.00			0.00			0.00			
Protected Option Allowed	No			No			Yes			Yes		
Reference Time (s)	0.9			0.0			2.5			0.0		
Adj Reference Time (s)	9.5			0.0			9.5			0.0		
Permitted Option												
Adj Saturation A (vph)	0	132		120	1652		120	1776		120	1759	
Reference Time A (s)	0.0	45.5		93.7	2.3		37.9	58.3		15.0	14.6	
Adj Saturation B (vph)	0	0		0	1652		NA	NA		NA	NA	
Reference Time B (s)	10.9	11.3		14.2	2.3		NA	NA		NA	NA	
Reference Time (s)		11.3			14.2			58.3			15.0	
Adj Reference Time (s)		15.8			18.7			62.8			19.5	
Split Option												
Ref Time Combined (s)	0.0	3.3		6.2	2.3		2.5	58.3		1.0	14.6	
Ref Time Seperate (s)	2.9	0.4		6.2	0.3		2.5	51.3		1.0	11.9	
Reference Time (s)	3.3	3.3		6.2	6.2		58.3	58.3		14.6	14.6	
Adj Reference Time (s)	9.5	9.5		10.7	10.7		62.8	62.8		19.1	19.1	
Summary	NW SE		NE SW		Combined							
Protected Option (s)	NA		72.3									
Permitted Option (s)	18.7		62.8									
Split Option (s)	20.2		81.9									
Minimum (s)	18.7		62.8		81.5							
Right Turns	SER											
Adj Reference Time (s)	9.5											
Cross Thru Ref Time (s)	19.1											
Oncoming Left Ref Time (s)	10.7											
Combined (s)	39.4											
Intersection Summary												
Intersection Capacity Utilization			67.9%		ICU Level of Service			C				
Reference Times and Phasing Options do not represent an optimized timing plan.												

Lanes, Volumes, Timings  
5: Dolan Way & School Driveway1

North Compus PM+Project.syn

05/09/2019



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	7	57	37	16	10	10
Future Volume (vph)	75	57	37	33	54	44
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt			0.936		0.939	
Flt Protected		0.972			0.973	
Satd. Flow (prot)	0	1811	1744	0	1702	0
Flt Permitted		0.972			0.973	
Satd. Flow (perm)	0	1811	1744	0	1702	0
Link Speed (mph)		30	30		30	
Link Distance (ft)		494	919		434	
Travel Time (s)		11.2	20.9		9.9	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	82	62	40	36	59	48
Shared Lane Traffic (%)						
Lane Group Flow (vph)	0	144	76	0	107	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Left	Left	Right	Left	Right
Median Width(ft)		0	0		12	
Link Offset(ft)		0	0		0	
Crosswalk Width(ft)		16	16		16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15			9	15	9
Sign Control		Free	Free		Stop	

Intersection Summary

Area Type: Other

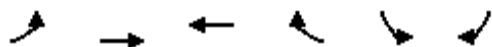
Control Type: Unsignalized

Intersection Capacity Utilization 18.9% ICU Level of Service A

Analysis Period (min) 15

Lanes and Geometrics  
5: Dolan Way & School Driveway1

North Compus PM+Project.syn  
05/09/2019



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12
Grade (%)		0%	0%		0%	
Storage Length (ft)	0			0	0	0
Storage Lanes	0			0	1	0
Taper Length (ft)	25				25	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor						
Frt			0.936		0.939	
Flt Protected		0.972			0.973	
Satd. Flow (prot)	0	1811	1744	0	1702	0
Flt Permitted		0.972			0.973	
Satd. Flow (perm)	0	1811	1744	0	1702	0
Link Speed (mph)		30	30		30	
Link Distance (ft)		494	919		434	
Travel Time (s)		11.2	20.9		9.9	

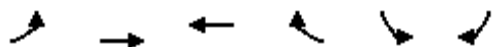
Intersection Summary

Area Type: Other



Volume  
5: Dolan Way & School Driveway1

North Compus PM+Project.syn  
05/09/2019



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Traffic Volume (vph)	7	57	37	16	10	10
Future Volume (vph)	75	57	37	33	54	44
Confl. Peds. (#/hr)						
Confl. Bikes (#/hr)						
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Growth Factor	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0
Parking (#/hr)						
Mid-Block Traffic (%)		0%	0%		0%	
Adj. Flow (vph)	82	62	40	36	59	48
Shared Lane Traffic (%)						
Lane Group Flow (vph)	0	144	76	0	107	0
Intersection Summary						

Simulation Settings  
5: Dolan Way & School Driveway1

North Compus PM+Project.syn  
05/09/2019



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Left	Left	Right	Left	Right
Median Width(ft)		0	0		12	
Link Offset(ft)		0	0		0	
Crosswalk Width(ft)		16	16		16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15			9	15	9
Intersection Summary						

# Intersection Capacity Utilization

## 5: Dolan Way & School Driveway1

North Compus PM+Project.syn










05/09/2019



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↰	↰		↰	
Volume (vph)	7	57	37	16	10	10
Pedestrians						
Ped Button						
Pedestrian Timing (s)						
Free Right				No		No
Ideal Flow	1900	1900	1900	1900	1900	1900
Lost Time (s)	4.0	4.0	4.0	4.0	4.0	4.0
Minimum Green (s)	4.0	4.0	4.0	4.0	4.0	4.0
Refr Cycle Length (s)	120	120	120	120	120	120
Volume Combined (vph)	0	64	53	0	20	0
Lane Utilization Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Factor (vph)	0.95	0.99	0.95	0.85	0.90	0.85
Saturated Flow (vph)	0	1890	1814	0	1714	0
Ped Intf Time (s)	0.0	0.0	0.0	0.0	0.0	0.0
Pedestrian Frequency (%)		0.00	0.00		0.00	
Protected Option Allowed		No	No		No	
Reference Time (s)				0.0		0.0
Adj Reference Time (s)				0.0		0.0
Permitted Option						
Adj Saturation A (vph)	0	722	1814		114	
Reference Time A (s)	0.0	10.6	3.5		21.0	
Adj Saturation B (vph)	0	0	1814		NA	
Reference Time B (s)	8.5	12.1	3.5		NA	
Reference Time (s)		10.6	3.5			
Adj Reference Time (s)		14.6	8.0			
Split Option						
Ref Time Combined (s)	0.0	4.1	3.5		1.4	
Ref Time Seperate (s)	0.5	3.6	2.4		0.7	
Reference Time (s)	4.1	4.1	3.5		1.4	
Adj Reference Time (s)	8.1	8.1	8.0		8.0	
Summary	EB WB		SB		Combined	
Protected Option (s)	NA		NA			
Permitted Option (s)	14.6		Err			
Split Option (s)	16.1		8.0			
Minimum (s)	14.6		8.0		22.6	
Right Turns						
Adj Reference Time (s)						
Cross Thru Ref Time (s)						
Oncoming Left Ref Time (s)						
Combined (s)						
Intersection Summary						
Intersection Capacity Utilization		18.9%		ICU Level of Service		A
Reference Times and Phasing Options do not represent an optimized timing plan.						










Lanes, Volumes, Timings  
6: Dolan Way & Driveway2

North Compus PM+Project.syn  
05/09/2019

						
Lane Group	NBL	NBR	SEL	SER	SWL	SWR
Lane Configurations						
Traffic Volume (vph)	0	64	0	10	91	0
Future Volume (vph)	0	132	0	152	125	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt		0.865		0.865		
Flt Protected					0.950	
Satd. Flow (prot)	0	1611	0	1611	1770	0
Flt Permitted					0.950	
Satd. Flow (perm)	0	1611	0	1611	1770	0
Link Speed (mph)	30		30		25	
Link Distance (ft)	279		273		494	
Travel Time (s)	6.3		6.2		13.5	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	0	143	0	165	136	0
Shared Lane Traffic (%)						
Lane Group Flow (vph)	0	143	0	165	136	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Right	Left	Right
Median Width(ft)	0		0		12	
Link Offset(ft)	0		0		0	
Crosswalk Width(ft)	16		16		16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9	15	9	15	9
Sign Control	Free		Stop		Free	
<b>Intersection Summary</b>						
Area Type:	Other					
Control Type:	Unsignalized					
Intersection Capacity Utilization 8.4%	ICU Level of Service A					
Analysis Period (min) 15						







Lanes and Geometrics  
6: Dolan Way & Driveway2

North Compus PM+Project.syn  
05/09/2019

						
Lane Group	NBL	NBR	SEL	SER	SWL	SWR
Lane Configurations						
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12
Grade (%)	0%		0%		0%	
Storage Length (ft)	0	0	0	0	0	0
Storage Lanes	0	1	0	1	1	0
Taper Length (ft)	25		25		25	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor						
Frt		0.865		0.865		
Flt Protected					0.950	
Satd. Flow (prot)	0	1611	0	1611	1770	0
Flt Permitted					0.950	
Satd. Flow (perm)	0	1611	0	1611	1770	0
Link Speed (mph)	30		30		25	
Link Distance (ft)	279		273		494	
Travel Time (s)	6.3		6.2		13.5	
<b>Intersection Summary</b>						
Area Type:	Other					

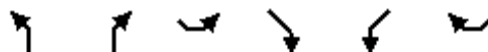
Volume  
6: Dolan Way & Driveway2

North Compus PM+Project.syn  
05/09/2019

						
Lane Group	NBL	NBR	SEL	SER	SWL	SWR
Traffic Volume (vph)	0	64	0	10	91	0
Future Volume (vph)	0	132	0	152	125	0
Confl. Peds. (#/hr)						
Confl. Bikes (#/hr)						
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Growth Factor	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0
Parking (#/hr)						
Mid-Block Traffic (%)	0%		0%		0%	
Adj. Flow (vph)	0	143	0	165	136	0
Shared Lane Traffic (%)						
Lane Group Flow (vph)	0	143	0	165	136	0
Intersection Summary						

Simulation Settings  
6: Dolan Way & Driveway2

North Compus PM+Project.syn  
05/09/2019












Lane Group	NBL	NBR	SEL	SER	SWL	SWR
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Right	Left	Right
Median Width(ft)	0		0		12	
Link Offset(ft)	0		0		0	
Crosswalk Width(ft)	16		16		16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9	15	9	15	9
Intersection Summary						

# Intersection Capacity Utilization

## 6: Dolan Way & Driveway2

North Compus PM+Project.syn

05/09/2019

						
Movement	NBL	NBR	SEL	SER	SWL	SWR
Lane Configurations						
Volume (vph)	0	64	0	10	91	0
Pedestrians						
Ped Button						
Pedestrian Timing (s)						
Free Right		No		No		No
Ideal Flow	1900	1900	1900	1900	1900	1900
Lost Time (s)	4.0	4.0	4.0	4.0	4.0	4.0
Minimum Green (s)	4.0	4.0	4.0	4.0	4.0	4.0
Refr Cycle Length (s)	120	120	120	120	120	120
Volume Combined (vph)	0	64	0	10	91	0
Lane Utilization Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Factor (vph)	0.95	0.85	0.95	0.85	0.95	0.85
Saturated Flow (vph)	0	1615	0	1615	1805	0
Ped Intf Time (s)	0.0	0.0	0.0	0.0	0.0	0.0
Pedestrian Frequency (%)	0.00		0.00		0.00	
Protected Option Allowed	No		No		No	
Reference Time (s)		4.8		0.7		0.0
Adj Reference Time (s)		8.8		8.0		0.0
Permitted Option						
Adj Saturation A (vph)	0		0		120	
Reference Time A (s)	0.0		0.0		90.7	
Adj Saturation B (vph)	NA		NA		NA	
Reference Time B (s)	NA		NA		NA	
Reference Time (s)						
Adj Reference Time (s)						
Split Option						
Ref Time Combined (s)	0.0		0.0		6.0	
Ref Time Seperate (s)	0.0		0.0		6.0	
Reference Time (s)	0.0		0.0		6.0	
Adj Reference Time (s)	0.0		0.0		10.0	
Summary	NB		SE		SW	Combined
Protected Option (s)	NA		NA		NA	
Permitted Option (s)	Err		Err		Err	
Split Option (s)	0.0		0.0		10.0	
Minimum (s)	0.0		0.0		10.0	10.0
Right Turns	NBR	SER				
Adj Reference Time (s)	8.8	8.0				
Cross Thru Ref Time (s)	0.0	0.0				
Oncoming Left Ref Time (s)	0.0	0.0				
Combined (s)	8.8	8.0				

### Intersection Summary

Intersection Capacity Utilization 8.4% ICU Level of Service  
 Reference Times and Phasing Options do not represent an optimized timing plan.

A



