## Project Study Report-Project Development Support (PSR-PDS)

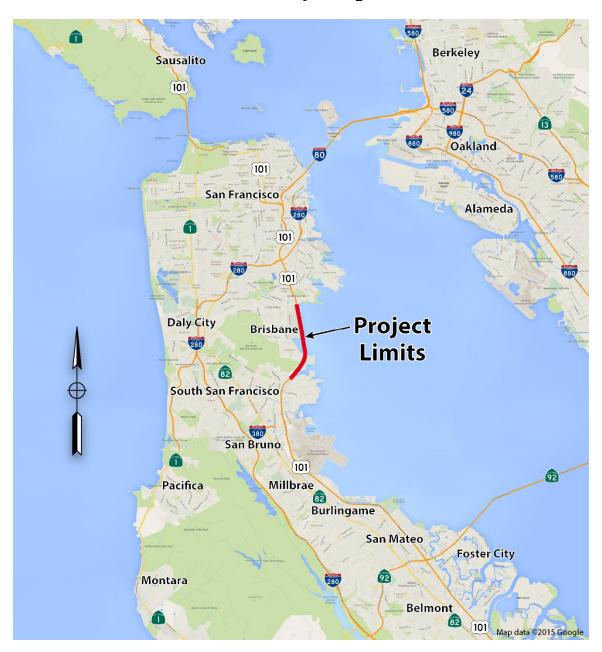
To

# Request Approval to Program Capital Support for the Project Approval and Environmental Document (PA&ED) Phase

On Route <u>US-101 in San Mateo County</u>

	Between	Oyster P	Point Boulevard (PM 2	2.8)
	And	San Fran	ncisco County Line (P)	M 26.1)
APPROVAL	RECOMM	ENDED:	-	
			SANDY WONG, EXECU ASSOCIATION OF GOV COUNTY	TIVE DIRPCTOR, CITY/COUNTY TERNMENTS OF SAN MATEO
			PROJECT SPONSOR, AG PDS and Attached Risk R	ccepts Risks Identified in this PSR- legister
APPROVAL	RECOMM	ENDED:	RICHELLE PEREZ,	CALTRANS PROJECT MANAGER
APPROVED:	1.	SARTIPI, D.	Sarty ISTRICT/04 DIRECTOR	6/9/15 DATE

## Vicinity Map



On Route US-101 in San Mateo County

Between Oyster Point Boulevard (PM 22.8)

And San Francisco County Line (PM 26.1)

**REVIEWED BY:** 

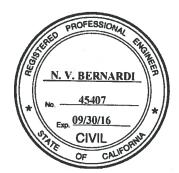
CELIA McCUAIG, CALTRANS OFFICE CHIEF

This project study report-project development support has been prepared under the direction of the following registered civil engineer. The registered civil engineer attests to the technical information contained herein and the engineering data upon which recommendations, conclusions, and decisions are based.

REGISTERED CIVIL ENGINEER

4/10/15

DATE



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Attachment B – Preliminary Plans of Alternatives and Typical Sections

Attachment C - Capital Outlay Project Estimate

Attachment D – Preliminary Environmental Analysis Report (PEAR)

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Attachment F – Right of Way Conceptual Cost Estimate Component

Attachment G – Project Risk Register

## ATTACHMENTS FOR PROJECT FILE (not a part of PSR-PDS)(for reference only in Project File) (Will be separated out for Final Submittal)

Attachment 1 – Storm Water Data Report

Attachment 2 – PSR-PDS Survey Needs Questionnaire

Attachment 3 – Traffic Engineering Performance Assessment

Attachment 4 – DES PSR-PDS Scoping Checklist

Attachment 5 – Design Scoping Index

Attachment 6 – Quality Management Plan

Attachment 7 – Phase 1 Initial Site Assessment

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#### 1. INTRODUCTION

#### **Project Description:**

The San Mateo County Transportation Authority (SMCTA) in cooperation with the City/County Association of Governments of San Mateo County (C/CAG) proposes to add auxiliary lanes on Route 101 between the Oyster Point Boulevard Interchange and San Francisco County line, in San Mateo County, California (Project). The project limits extend 3.3 miles through the cities of South San Francisco and Brisbane from Oyster Point Boulevard at the southern end of the project to the Candlestick Point Interchange at the San Francisco County Line. This PSR-PDS serves as the authorizing document to initiate the Project Approval and Environmental Document (PA/ED) phase. The roles for Project Approval and Environmental Document (PA/ED) phase, design and construction are to be determined.

Travel on US 101 between I-380 and the San Francisco County Line is forecasted to increase substantially by 2030 leading to deterioration in operations and substantial increase in delays. The proposed project is expected to address the existing and future traffic congestion, improve weaving operations at the ramps, and enhance safety by improving traffic operations within the project limits.

Table 1.1

<b>Project Limits</b>	04-SM-101			
	PM 22.8 to PM 26.1			
Number of Alternatives	Five alternatives including the no-build			
	alternative. All build alternatives have the			
	same basic design of adding auxiliary lanes in			
	both the northbound and southbound			
	directions of US 101. Alternative 1 proposes			
	to maintain non-standard shoulder adjacent to			
	retaining wall while Alternatives 2, 3 and 4			
	propose to standardize non-standard shoulders.			
Current Capital Outlay	\$6.5 M (in 2015 dollars) for Alternative 3, the			
Support Estimate for PA&ED	costliest alternative.			
Current Capital Outlay	\$54.7 M - \$92.0 M (in 2015` dollars)			
<b>Construction Cost Range</b>	Alternatives 1 through 4			
Current Capital Outlay Right-	\$0.1 M – \$2.9 M (in 2015 dollars)			
of-Way Cost Range	Alternatives 1 through 4			
<b>Anticipated Funding Sources</b>	SMCTA Measure A, State Transportation			
	Improvement Program (STIP)			
Type of Facility	Existing 4-lane Freeway.			
Number of Structures	2-3 bridge structures and 7-9 retaining walls			
Anticipated Environmental	Initial Study/Environmental Assessment			

<b>Determination or Document</b>	
Legal Description	In San Mateo County from Oyster Point
	Boulevard to San Francisco County Line
<b>Project Development Category</b>	3

The right-of-way capital and construction capital components of the project are preliminary estimates and are not suitable for programming purposes. A Project Report will serve as the programming document for the capital components of the project. A project report will serve as approval of the "Preferred" Alternative.

Agency responsibilities beyond the PID phase will be determined at a later date.

The PA/ED phase of the project is estimated to begin in December 2015 and be complete in 24 months. Construction funding year is expected in 2020/2021.

Anticipated approvals by other agencies include the U.S Army Corps of Engineers, Regional Water Quality Control Board, San Francisco Bay Conservation and Development Commission (BCDC), and California Department of Fish and Wildlife.

#### 2. BACKGROUND

In 1988, the County of San Mateo passed Measure A to improve transit and relief of traffic congestion. Measure A identified auxiliary lanes on US 101 for the entire length (26 miles) of San Mateo County to provide congestion relieve in the corridor.

Since 1997, the following auxiliary lanes were built:

- Third Avenue to State Highway 92 Interchange (1.5 miles)
- Hillsdale Boulevard to Ralston Avenue (1.5 miles)
- Ralston Avenue to Marsh Road (3.5 miles)
- Millbrae Avenue to Third Avenue (4.5 miles)
- Marsh Road to University Avenue (2.7 miles)
- University Avenue to Embarcadero Road (1.2 miles)

Route 101 has a major role in connecting the San Francisco Bay Area with the Silicon Valley and the coastal regions to the north and to the south. It is the primary route used in the movement of freight due to its connection with San Francisco International Airport. In San Mateo County, Route 101 serves both local and regional traffic. Major trip generators affecting traffic on Route 101 corridor are large employment centers located along Route 101 and the San Francisco International Airport (SFO).

Route 101 within the Project limits was built in 1951-1956. It is a north/south eight lane freeway facility with four lanes in each direction. The freeway is separated by a concrete barrier with non-standard inside shoulders and standard outside shoulders. Adjacent to the freeway is San Francisco Bay to the east and the San Bruno Mountain to the southwest. To the west of the Project is Brisbane Lagoon and undeveloped lands. There are up to three bridge structures within the Project limits impacted by the project. Between the Oyster Point Boulevard interchange and the Sierra Point Parkway interchange, there is an existing active Peninsula Corridor Joint Powers Board (JPB) rail corridor. The JPB currently crosses underneath US 101 at the Sierra Point Parkway interchange.

A proposed Candlestick Point Interchange project (CPI) near the San Mateo County/San Francisco County line is assumed to be completed prior to construction of the Project. As part of the CPI project, Geneva Avenue will be extended from Bayshore Boulevard to the CPI where it would either cross over or under US 101. The CPI project is assumed to be an existing condition for this Project.

The project is consistent with Caltrans' US 101 South Corridor System Management Plan (CSMP), dated December 2010, and programmed in the Metropolitan Transportation Commission's (MTC) Transportation 2035 Plans, adopted on April 22, 2009. Lastly, this project is also consistent with the Caltrans District 4 Transportation System Development Plan, dated December 01, 2011.

The corridor is substantially used to transport freight and is considered a Major International Trade Highway Route. The proposed project is currently included in the San Mateo County's Transportation Expenditure Plan as an auxiliary lane project.

The SMCTA prepared an Alternative Analysis Report for this project in 2010. The project was not reviewed or approved by Caltrans. A traffic operations study was performed and a no-build and five auxiliary lane scenarios were studied. The report concluded that auxiliary lanes similar to the Project alternatives would relieve existing and future congestion and would improve vehicular access to and from the freeway. The SMCTA as the Implementing Agency, in cooperation with C/CAG have decided to move forward to complete a Caltrans approved Project Initiation Document (PID) phase by preparing and completing this Caltrans PSR – PDS. The completion of the document will assist obtaining Caltrans support and approval to move the project into the Project Approval and Environmental Document (PA&ED) phase.

The project has minimal impact to "complete streets" as the improvements for the Project are primarily within the freeway right of way. However, at the ramp termini, pedestrian and bicycle facilities are accommodated by improvement to curb ramps

and striping to facilitate and perpetuate pedestrian and bicycle access at northbound Bayshore Boulevard and the terminus of the Sierra Point Parkway northbound offramp.

The opportunity for input by stakeholders for "Context Sensitive Solutions" can be provided in the PA/ED phase of the project.

#### 3. PURPOSE AND NEED

#### **Purpose:**

The Project has the following specific purposes:

- Reduce delay and existing and future traffic congestion on Route 101
- Improve weaving operations at the ramps
- Enhance safety by improving traffic operations

#### **Need:**

US 101 within the Project limits serves as a main commute corridor to and from San Mateo County, San Francisco, and the Bay Bridge. It is also considered a major commute route connecting San Francisco and Silicon Valley, as well as providing access to San Jose International Airport in the southern end of the corridor and San Francisco International Airport (SFO) in the northern end of the corridor. According to Caltrans' US 101 South Corridor System Management Plan (CSMP), dated December 2010, US 101 would deteriorate and operate with delay and congestion with no improvements to the corridor. This is based on the traffic forecast year 2030 with no improvements to the corridor. The CSMP has reported that the peak-period vehicle miles of travel on US 101 between I-380 and the San Francisco County line is forecast to increase 115 percent in the AM peak period and 103 percent in the PM peak period by 2030. The expected increase in demand will result in an increase to the peak-period vehicle-hour of delay (VHD) on US 101 within San Mateo County. The VHD is forecast to increase by 176 percent by the year 2030 compared to 2009 existing conditions without the project. The increase in VHD would deteriorate the overall US 101 traffic operations which would also worsen traffic safety. The forecasted congestion and delay are due to growth estimated in the area.

Per the CSMP, the delay and congestion would be exacerbated due to several future land-use developments located near or within the vicinity of the Project limits. These projects include (1) Mixed-Use Development Project for Candlestick Point and Hunters Point Shipyard, which was approved by the City of San Francisco voters in June 2008, would contribute approximately 10,500 residential units to the area, (2) Visitacion Valley/Schlage Lock Park, (3) Executive Park Residential Development, (4) Daly City/Cow Palace, and (5) Brisbane Baylands.

#### 4. TRAFFIC ENGINEERING PERFORMANCE ASSESSMENT (TEPA)

The TEPA provides a description of existing and forecast traffic conditions. In general, the TEPA identifies traffic congestion in the existing condition which is forecast to worsen from increases in trips due to increases in residential households and jobs adjacent to the corridor. In addition, the scope of anticipated traffic engineering work for the PA/ED phase is described.

#### **Current Operating Conditions**

The existing conditions that were documented within this corridor in the US 101 Candlestick Point/Geneva Avenue Interchange Forecasting and Traffic Operations Report, Revised, January 2010, typically did not show congestion occurring on Route 101 during the morning peak period and during the PM peak period within the project limits. Congestion was observed at the Cesar Chavez interchange and the I-280 interchange on Route 101 and these "bottleneck locations" were included in the analysis of freeway operations in the Route 101 corridor. Based on Table 10 in the US 101 Candlestick Point/Geneva Avenue Interchange Forecasting and Traffic Operations Report, Revised, January 2010, traffic volumes within the study corridor between Oyster Point interchange and Cesar Chavez interchange ranged from 3,532 to 8,419 northbound and 5,434 to 8,774 southbound in the AM peak hour. The traffic volumes within the study corridor, also between the Oyster Point interchange and the Cesar Chavez interchange, in the PM peak hour ranged from 4,745 to 8,455 northbound and 4,626 to 9,276 southbound. Some of these volumes could be associated with queues and could therefore underestimate the demand in this corridor. There are four mixed-flow lanes along the study corridor on both directions. On the northbound direction of Route 101, there exists an auxiliary lane between the Oyster Point Boulevard on-ramp and the Bayshore Boulevard off-ramp, and from approximately one mile south of the Harney Way off-ramp to the Harney Way offramp.

Ramp metering is proposed to be activated on the northbound direction of Route 101 (from the State Route 92 Interchange to the San Francisco/San Mateo County Line) in November of 2014; and on the southbound direction in April/May of 2015.

#### **Forecasted Conditions**

The Association of Bay Area Governments (ABAG) is a regional land use planning agency responsible for forecasting changes to the population and economy. ABAG forecasts increases of 58,000 and 101,000 in residential households for San Mateo and San Francisco Counties, respectively, by year 2040. Similarly, ABAG projects job increases of 100,000 in San Mateo and 190,000 in San Francisco, within this time horizon.

The Route 101 corridor is heavily utilized by trips starting or ending in San Francisco, Santa Clara, and Alameda Counties, or by trips with one trip end in San

Mateo County. All of these trips are also forecast to increase as a result of residential and employment growth.

Traffic volumes for the AM and PM four-hour periods are expected to increase due to an increase in residential development adjacent to the corridor. The Harney Way ramp will serve all the traffic associated with several significant development projects to the east and west of Route 101 in the immediate vicinity of the Candlestick Point interchange, including Brisbane Baylands, Executive Park, Bayview Hunters Point, and Schlage. The Candlestick Point/Hunter Shipyard project, is part of a regionally designated priority-development area (PDA) of San Francisco that will ultimately add 10,000 residential dwelling units, approximately 700,000 square feet of destination retail and entertainment space, and over 2.5 million square feet of commercial space. This type of development will generate additional demand for travel within the Route 101 corridor (for the 4-hour AM and 4-hour PM periods).

#### **PA/ED Traffic Scope**

For the purpose of analyzing travel demand and traffic operations for subsequent Project Approval / Environmental Documentation (PA/ED), the following studies will be prepared:

- Recent traffic counts will be compiled from the Caltrans District 4 Office of Highway Operations. Additional traffic counts may need to be collected to reflect the most recent traffic data. Hourly traffic data for 24-hour periods are preferred.
- Existing conditions such as freeway levels of service analyses and locations of bottlenecks, for the project limits and the study area will be analyzed.
- The travel demand models will be updated and revalidated to reflect current traffic demand volumes. The travel demand model most likely to be used will be the C/CAG and VTA Bi-County model for San Mateo and Santa Clara Counties. The validation criteria to be used for the study will be discussed and agreed to with the Caltrans Travel Forecasting Branch. The travel demand models will be validated for 4-hour AM and 4-hour PM peak periods.
- The revalidated travel demand models will be applied to future conditions (e.g., 2040) to generate travel demand resulting from the alternatives to add auxiliary lanes on Route 101 as well as a no-build alternative. The travel demand models will be for the AM and PM peak 4-hour periods, which encompass not only the peak hours but the shoulder hours of the peak hours. A process will be outlined through consensus with Caltrans Travel Forecasting Branch for preparing post-processing of raw model forecast results.
- In order to analyze various traffic operations issues associated with adding auxiliary lanes, a set of traffic operations analysis models will be developed and calibrated to demonstrate existing conditions reasonably accurately, such as locations of bottlenecks and flow rates of bottleneck segments. The existing conditions on the study area network will be measured in the field. The calibrated traffic operations analysis model will be used to analyze traffic

- operations, queuing, and weave/merge/diverge issues on both the mainline segments and associated ramps for the alternative(s) to add auxiliary lanes.
- The analyzed traffic conditions using the calibrated traffic operations analysis models will be evaluated for both the project alternative(s) and the no-build alternative to evaluate the effectiveness of adding auxiliary lanes within the project limits.

#### 5. DEFICIENCIES

The accident data, traffic operations, and design exceptions are consistent with the deficiency of the facility. The type of accidents listed below generally are due to driver inattention, unsafe speeds, and lane changing in traffic congestion. The design exceptions identify non-standard distances between interchanges and ramps with insufficient weaving lengths. All these factors support the need and purpose of the project

#### **Non-Standard Features**

The interchange spacing (0.9 miles) between the Oyster Point Boulevard interchange and the Sierra Point Parkway interchange does not meet the Highway Design Manual (HDM) Index 501.3 mandatory design standard of 1.0 mile.

The Bayshore Boulevard exit ramp is an isolated partial interchange which is a HDM Index 502.2 mandatory design exception.

The 850-ft weaving length along northbound US 101 between the Oyster Point Boulevard interchange and the Sierra Point Parkway interchange does not meet the HDM Index 504.7 mandatory design standard of 2,000 feet.

The 8-ft right shoulder width at the South San Francisco off-ramp adjacent to right of way does not meet HDM Index 302.1 mandatory design standard of 10 feet.

The 22-ft median width does not meet the HDM Index 305.1(1)(a) advisory design standard of 36 feet.

The 950-ft distance between successive exit ramps along northbound US 101 between the Bayshore Boulevard exit and the Sierra Point Parkway exit does not meet the HDM Index 504.3(10) advisory design standard of 1,000 feet.

The 970-ft distance between successive exit ramps along southbound US 101 between the South San Francisco exit and the Oyster Point East exit does not meet the HDM Index 504.3(10) advisory design standard of 1,000 feet.

The 210-ft distance between horizontal reversing curves on the northbound Bayshore Boulevard exit ramp does not meet the HDM Index 203.6 advisory design standard to provide the superelevation runoff lengths.

The one-lane northbound Bayshore Boulevard exit ramp does not meet the HDM Index 504.3(5) advisory standard of two lanes for ramps exceeding 1000 feet in length.

The one-lane northbound (NB) Sierra Point Parkway exit ramp does not meet the HDM Index 504.3(5) advisory standard of two lanes for ramps exceeding 1000 feet in length.

#### **Accident Data**

**Table 5.1** 

Number of Accidents and Rates 07/01/2009 to 06/30/2012									
Location	Total No.	Fatality Accidents	Injury Accidents	Actual Rates (Per Million Vehicle Miles)		Average Rates (Per Million Vehicle Miles)			
				F	F+I	Total	F	F+I	Total
Mainline:									
NB US-101 SM									
PM 22.8 to PM									
26.1	122	2	46	0.006	0.13	0.34	0.004	0.29	0.95
SB US-101 SM									
PM 22.8 to PM									
26.1	119	3	50	0.008	0.15	0.33	0.004	0.29	0.95
Ramps:									
NB Oyster Point									
Blvd on-ramp	0	0	0	0.000	0.00	0.00	0.002	0.22	0.63
SB Bayshore									
Blvd off-ramp	7	0	4	0.000	0.85	1.49	0.001	0.17	0.54
NB Bayshore									
Blvd off-ramp	0	0	0	0.000	0.00	0.00	0.004	0.16	0.49
NB Marina Blvd									
off-ramp	2	1	0	0.455	0.45	0.91	0.003	0.35	1.01
NB Sierra Point									
Blvd/Marina on-									
ramp	1	0	0	0	0	0.65	0.002	0.22	0.63
SB Sierra Point									
Blvd/Marina on-									
ramp	0	0	0	0	0	0	0.001	0.13	0.46
SB Marina									
Blvd/Sierra Point									
Blvd off-ramp	0	0	0	0	0	0	0.003	0.24	0.84
NB Harney Way									
off-ramp	0	0	0	0	0	0	0.004	0.24	0.75
NB Harney Way									
on-ramp	2	0	1	0	0.34	0.67	0.002	0.21	0.73
SB Harney Way									
on-ramp	3	0	2	0	0.62	0.93	0.001	0.13	0.46

Note:

The SB Bayshore Boulevard off-ramp is the South San Francisco off-ramp
The Sierra Point/Marina ramps are the Sierra Point Parkway ramps
The Harney Way ramps currently exist but are assumed to be reconstructed by the CPI project prior to the Project

The preceding Table 5.1 shows that the total accident rates were higher than the state average at the southbound Bayshore Boulevard off-ramp, northbound Sierra Point Boulevard/Marina on-ramp, and southbound Harney Way on-ramp.

For the freeway mainline, the majority of the accidents occurred in the northbound direction (50.6%) and in the PM Peak Hours. Rear end collisions (NB 39.3%, SB 46.2%) were the most common types of accidents while speeding (NB 28.7%, SB 31.9%) was the primary collision factor. For the ramps, the majority of the accidents were classified as Hit Object collisions (40%). Most of the ramp Hit Object collisions occurred on the southbound Bayshore Boulevard off-ramp.

**Table 5.2** 

State Collision Types						
Code	Collision	NB Mainline	SB Mainline	Ramps		
Α	HEAD-ON	0.9%	0.0%	0.0%		
В	SIDESWIPE	18.0%	10.9%	6.7%		
С	REAR END	39.3%	46.2%	20.0%		
D	BROADSIDE	2.5%	0.9%	0.0%		
E	HIT OBJECT	28.7%	31.9%	40.0%		
F	OVERTURN	5.7%	1.7%	20.0%		
	AUTO-					
G	PEDESTRIAN	0.8%	0.8%	6.7%		
Н	OTHER	4.1%	7.6%	6.6%		

The accident data was provided by Caltrans. The accident data indicates that between July 1, 2009, and June 30, 2012, a total of 241 accidents were reported along US 101 between the Oyster Point Boulevard interchange and the Candlestick Parkway interchange. One of the accidents was a Head-On collision type, 36 were of Sideswipe collision type, 106 were of Rear-End collision type, 4 were of Broadside collision type, 79 were of Hit Object collision type, 12 were of Overturn collision type, 3 were of Auto-Pedestrian collision type, and 15 were of Other collision type. Rear-End and Sideswipe collisions, which generally are due to driver inattention, unsafe speeds, and lane changing in traffic congestion, accounted for up to 55.4% of both mainline and ramp accidents. A total of 6 fatalities occurred within the analyzed period and a total of 103 injuries were associated with these accidents.

#### 6. CORRIDOR AND SYSTEM COORDINATION

US 101 is the primary route used in the movement of freight in San Mateo County. It is a major north-south route serving both local and regional traffic. Although US 101 is not part of the Interstate System, it is a principal arterial and part of the National Highway System (NHS), is a Strategic Highway Network (STRAHNET) route, and is part of the State Highway Extra Legal Load (SHELL) route system, which permits transport of loads exceeding limits of length, height or weight as stated in the California Vehicle Code, Section 15.

Caltrans' Interregional Transportation Plan (ITP) classifies US 101 as a "High Emphasis" and "Focus Route," making this route of highest priority for completion to minimum facility standards in the 20-year period. Focus routes serve as a system of high-volume primary arteries to which other state highway routes can connect for purposes of longer interregional trips and access into statewide gateways.

US 101 is a National Truck Network route and a Surface Transportation Assistance Act (STAA) route, and functions as principal truck route between the Central Valley, Central Coast and San Francisco Bay Area. There are no truck advisories on US 101 within the project limits.

#### **State Planning**

In December 2010, Caltrans completed the CSMP for US 101 South corridor which recommended freeway capacity improvements for implementation in the long term (2030). The CSMP represented a cooperative commitment by Caltrans and local agencies to develop a corridor management vision for the US 101 South corridor.

The CSMP listed this 101 Auxiliary Lane Project as a recommended long term low level freeway capacity improvement designed to maintain congestion within the peak periods and serve the 2030 forecasted demand.

In December 2011, Caltrans District 4 issued the Transportation System Development Plan (TSDP) which serves to inform long-range transportation planning in District 4. The purpose is to identify a reasonable range of transportation improvements, system management, demand management, and other strategies and actions that when comprehensively implemented together or alone, improve interregional and regional mobility and intermodal transfer of people and goods on state highways and major travel corridors. The Project is listed in the TSDP.

#### **Regional Planning**

The Project is included in Plan Bay Area as Reference Number 21604. Plan Bay Area is a long-range integrated transportation and land-use/housing strategy through 2040 for the San Francisco Bay Area. The Plan was jointly approved on July 18, 2013 by the Association of Bay Area Governments (ABAG) Executive Board and by the Metropolitan Transportation Commission (MTC).

The Project is included in the Metropolitan Transportation Commission (MTC) adopted Transportation Improvement Program (TIP) (SM-090009), and has been forwarded to Caltrans to be included in the Draft 2015 Federal Statewide Transportation Improvement Program (FSTIP). The TIP is a comprehensive listing of Bay Area transportation projects that receive federal action, or are considered regionally significant for air quality conformity.

#### **Local Planning**

The San Mateo County Transportation Authority (SMCTA) administers the County's half-cent sales tax, known as Measure A.

In October 2011, SMCTA issued the Short-range Highway Plan (2011-2021) which is a 10-year outlook which includes a policy framework for making investment decisions and developing a capital improvement plan (CIP) over time. The SMCTA Plan ranked this auxiliary lanes project between Sierra Point Parkway and San Francisco County Line, as the number one project in the Freeway Project group within the Supplemental Roadways subcategories.

In 2003, Caltrans began preparation of a Project Study Report for this project. The extent of the proposed auxiliary lanes were limited to north of the Sierra Point Parkway ramps in both directions. The PSR was never finalized or approved.

In 2010, SMCTA prepared an Alternative Analysis Report for this project. The project was not reviewed or approved by Caltrans. A traffic operations study was performed and a no-build and five auxiliary lane alternatives were studied. The report concluded that the auxiliary lanes would relieve existing and future congestion and would improve vehicular access to and from the freeway.

#### Programmed and Planned Projects within the Project Limits

The following projects have been identified within or adjacent to the limits of the US 101 Auxiliary Lanes Project:

- Construct a 6-lane arterial from Geneva Avenue/Bayshore Boulevard intersection to US 101/Candlestick Point – Plan Bay Area Reference Number 22227
- Reconstruct US 101/Sierra Point Parkway interchange (includes extension of Lagoon Way to US 101) - Plan Bay Area Reference Number 22229
- Reconstruct US 101/Candlestick Point interchange to full all-directional interchange – Plan Bay Area Reference Number 22756
- Brisbane Baylands (development)
- Executive Park Residential Development (development)
- Bayview Hunters Point (development)
- Visitacion Valley/Schlage Lock Park (development)

- Mixed-use Project for Candlestick Point and Hunters Point Shipyard (development)
- Britannia Cove at Oyster Point (development)

#### **Transit Planning**

Currently San Mateo County Transit District (SamTrans) operates the following express bus service between San Francisco and Redwood City, that run on a segment of US 101 within the Project limits:

• KX Line - San Francisco – Redwood City Transit Center

Caltrain runs train service from San Francisco to Gilroy. In some segments of the Caltrain track, Caltrain runs parallel to US 101. The tracks cross under US 101 at the Sierra Point Parkway interchange.

#### 7. ALTERNATIVES

Four alternatives have been explored as possible solutions for meeting the project's purpose and need. All four including the No Build Alternative are described below:

**The No Build Alternative** – The No Build alternative would maintain current facilities. Northbound and southbound US 101 would continue to have no auxiliary lane.

**Alternative 1** – This alternative proposes auxiliary lanes in both the northbound and southbound directions of US 101 between Candlestick Point interchange and Oyster Point Boulevard. The following locations are where the auxiliary lanes are proposed:

- Northbound Sierra Point Parkway on-ramp to Candlestick Point off-ramp.
- Southbound Candlestick Point on-ramp to Sierra Point Parkway off-ramp.
- Southbound Sierra Point Parkway on-ramp to Oyster Point Boulevard offramp.

This alternative proposes the reconstruction of a single lane northbound Bayshore Boulevard off-ramp with the reconstruction of the Sierra Point Off-ramp Separation (Bridge No. 35-0131S), and the widening of the Sierra Point Overhead (Bridge No. 35-0130). Eight retaining walls will be required and the median barrier is proposed to be reconstructed throughout the project limits.

**Alternative 2** – This alternative proposes auxiliary lanes in both the northbound and southbound directions of US 101 between Oyster Point Boulevard and Candlestick Point interchange while providing standard inside and outside shoulders and lane widths. The following are the auxiliary lane locations:

- Dual auxiliary lanes Northbound Oyster Point Boulevard on-ramp to Bayshore Boulevard off-ramp
- Northbound Bayshore Boulevard off-ramp to Candlestick Point off-ramp
- Dual auxiliary lanes Southbound Candlestick Point on-ramp to Sierra Point Parkway off-ramp
- Southbound Sierra Point Parkway off-ramp to Oyster Point Boulevard East off-ramp

This alternative proposes to reconstruct the northbound Bayshore Boulevard off-ramp into a two lane off-ramp, reconstruct the Sierra Point Off-Ramp Separation (Bridge No. 35-0131S) into a two lane structure that merges into a single lane, and widen the Sierra Point Overhead (Bridge No. 35-0130). Nine retaining walls will be required and the median barrier is proposed to be reconstructed throughout the project limits. In addition, this alternative would require realigning a portion of the concrete channel, located west of US 101, that is currently conveying water from tributary drainage area was once part of Colma Creek watershed area. The watershed served by this channel and channel are unnamed.

Alternative 3 – The design elements of this alternative are the same as Alternative 2 with the addition of the realignment of the northbound Sierra Point Parkway off-ramp and the northbound Bayshore Boulevard off-ramp. This alternative proposes to remove the northbound Bayshore Boulevard off-ramp and instead proposes a collector road which serves both the Sierra Point Parkway off-ramp and a ramp connection over US 101 to Bayshore Boulevard. The Sierra Point Off-ramp Overhead (Bridge No. 35-0130S) and the Sierra Point Off-ramp Separation (Bridge No. 35-0131S) will need to be reconstructed for these new ramp alignments. Seven retaining walls will be required with this alternative.

**Alternative 4** – This alternative will be the same as Alternative 2 with the exception that it will completely eliminate the northbound Bayshore Boulevard off-ramp. The elimination of this off-ramp would eliminate the partial isolated interchange and improve the weaving distance between Oyster Point Boulevard and the Sierra Point Parkway off-ramp. By eliminating this ramp, access from northbound US 101 to the City of Brisbane will be only be by the remaining interchanges to the north and south. Seven retaining walls will be required with this alternative.

#### Ramp Metering/Traffic Operations Systems

The existing on-ramps at the interchanges are equipped or will be equipped at the time of construction with ramp metering equipment. Traffic Monitoring System (TMS), Changeable Message Sign (CMS), Extinguishable Message Sign (EMS), Highway Advisory Radio (HAR), and Closed Circuit Television (CCTV) cameras exist in the corridor. Existing and operational TOS elements and ramp metering equipment will be designed to remain operational throughout the construction phase. Any TOS and ramp metering elements that are affected by construction

will be relocated, modified, or fully replaced. All four build alternatives propose to provide or maintain existing two (2) mixed flow and one (1) High Occupancy Vehicle (HOV) lanes for the on-ramps within the Project limits.

#### **Storm Water**

The project would be in the jurisdiction of San Francisco Bay (Region 2) Regional Water Quality Control Board. The project improvements would increase the impervious area and could potentially create permanent water quality impacts. To minimize the impacts, the guidelines in the *Caltrans Storm Water Quality Handbook; Project Planning and Design Guide* (PPDG) would be implemented. The total estimated Disturbed Soil Area (DSA) for the alternative to be studied is 40.5 acres. The project will be required to obtain coverage under the State General Permit. The risk level assessment has been determined to be Level 2 for the construction period between September 2021 to November 2023.

The estimated new impervious area to be studied would be 9.0 acres. Since the project will add more than one acre of impervious surface, the project will require considering permanent storm water treatment as well as hydromodification measures.

#### **Highway Planting and Irrigation**

Highway planting and irrigation systems are present within the project limits. All build alternatives involve roadway widening and retaining wall construction which will result in highway planting and irrigation removal. In accordance with Caltrans Replacement Planting Policy, build alternatives will provide for replacement of impacted highway planting and irrigation systems under a follow-up Highway Planting project.

#### **Design Standards Risk Assessment**

Each build alternative has been reviewed for potential exceptions to Mandatory and Advisory Design Standards. Anticipated exceptions with their risk assessment are summarized in Table 7.1 below:

TABLE 7.1 - DESIGN STANDARDS RISK ASSESSMENT						
Location of Design Exception  Design Requirement		Proposed Design	Probability of Design Exception Approval (None, Low, Medium, High)			
ALTERNATIVE	1					
Between the Sierra Point Parkway and Oyster Point Boulevard	Mandatory Exception: HDM INDEX 501.3 - Minimum Interchange Spacing The minimum interchange spacing shall be one mile in urban areas.	Non-standard interchange spacing of 0.89 miles between Oyster Point Boulevard and Sierra Point Parkway.	Medium			

TABLE 7.1 - DESIGN STANDARDS RISK ASSESSMENT							
Location of Design Exception	Design Requirement	Proposed Design	Probability of Design Exception Approval (None, Low, Medium, High)				
SB South San Francisco off- ramp	Mandatory Exception: HDM TABLE 302.1 - Standards for Paved Shoulder widths adjacent to abutment walls, retaining walls in cut locations shall be 10 feet wide.	Non-standard shoulder width of 8 feet adjacent to a retaining wall.	Low				
NB Bayshore Boulevard off- ramp	Mandatory Exception: HDM INDEX 502.2 - The use of isolated off-ramps or partial interchange should be avoided.	Isolated Bayshore Boulevard off-ramp.	Medium				
Between the NB Oyster Pt Blvd on-ramp and NB Bayshore Blvd off-ramp	Mandatory Exception: HDM INDEX 504.7 - The minimum weaving length shall be 2,000 feet in urban areas.	850 foot weaving length between the Oyster Point on-ramp and Bayshore Boulevard off-ramp	Medium				
Median US-101	Advisory Exception: HMD INDEX 305.1 (1)(a) - The minimum median width for freeways and expressways in urban areas should be 36 feet.		Medium				
SB South San Francisco off- ramp and SB Oyster Point Blvd East off-ramp.	Advisory Exception: HDM INDEX 504.3 (10) - The minimum distance between successive exit ramps for guide signing should be 1,000 feet on freeway.	Non-standard distance of 950 feet between successive exit ramps.	Medium				
NB Bayshore Blvd off-ramp	Advisory Exception: HDM INDEX 203.6 - When horizontal curves reverse direction the connecting tangents should be long enough to accommodate the standard superelevation runoffs given on figure 202.5. If possible the percent per 100 feet rate of change should govern.	Non-standard 210 foot tangent between two reversing curves.	Medium				
NB Bayshore Blvd off-ramp	Advisory Exception: HDM INDEX 504.3(5) - If the length of a single lane ramp exceeds 1,000 feet, an additional lane should be provided to allow passing maneuvers.	Non-standard number of lanes along the length of the ramp. The ramp is 1,400 feet long.	Medium				
<b>ALTERNATIVE</b>	ALTERNATIVE 2						
Sierra Point Parkway and Oyster Point Blvd	Mandatory Exception: HDM INDEX 501.3 - Minimum Interchange Spacing The minimum interchange spacing shall be one mile in urban areas.	Non-standard interchange spacing of 0.89 miles between Oyster Point Boulevard and Sierra Point Parkway.	Medium				

	TABLE 7.1 - DESIGN STANDARDS	S RISK ASSESSMENT	
Location of Design Exception	Design Requirement	Proposed Design	Probability of Design Exception Approval (None, Low, Medium, High)
NB Bayshore Blvd off-ramp	Mandatory Exception: HDM INDEX 502.2 - The use of isolated off-ramps or partial interchange should be avoided.	Isolated Bayshore Boulevard off-ramp.	Medium
Between the NB Oyster Point Blvd on-ramp and NB Bayshore Blvd off-ramp	Mandatory Exception: HDM INDEX 504.7 - The minimum weaving length shall be 2,000 feet in urban areas.	970 foot weaving length between the Oyster Point on-ramp and Bayshore Boulevard off-ramp	Medium
Between SB South San Francisco off- ramp and SB Oyster Point Blvd East off-ramp.	Advisory Exception: HDM INDEX 504.3 (10) - The minimum distance between successive exit ramps for guide signing should be 1,000 feet on freeway.	Non-standard distance of 950 feet between successive exit ramps	Medium
Between the NB Oyster Point Blvd on-ramp and NB Bayshore Blvd off-ramp	Advisory Exception: HDM INDEX 504.3 (10) - The minimum distance between successive exit ramps for guide signing should be 1,000 feet on freeway.	Non-standard distance of 660 feet between successive exit ramps	Medium
NB Bayshore Blvd off-ramp	Advisory Exception: HDM INDEX 203.6 - When horizontal curves reverse direction the connecting tangents should be long enough to accommodate the standard superelevation runoffs given on figure 202.5. If possible the 6 percent per 100 feet rate of change should govern.	Non-standard 210 foot tangent between two reversing curves, 400 feet each.	Medium
ALTERNATIVE :	3		
NB Sierra Point Parkway and Oyster Point Blvd	Mandatory Exception: HDM INDEX 501.3 - Minimum Interchange Spacing The minimum interchange spacing shall be one mile in urban areas.	Non-standard interchange spacing of 0.89 miles between Oyster Point Boulevard and Sierra Point Parkway.	Medium
NB Bayshore Blvd off-ramp	Mandatory Exception: HDM INDEX 502.2 - The use of isolated off-ramps or partial interchange should be avoided.	Isolated Bayshore Boulevard off-ramp.	Medium

	TABLE 7.1 - DESIGN STANDARDS RISK ASSESSMENT						
Location of Design Exception	Design Requirement	Proposed Design	Probability of Design Exception Approval (None, Low, Medium, High)				
SB South San Francisco off- ramp and SB Oyster Point Blvd East off-ramp.	Advisory Exception: HDM INDEX 504.3 (10) - The minimum distance between successive exit ramps for guide signing should be 1,000 feet on freeway	Non-standard distance of 950 feet between successive exit ramps along same direction of roadway.	Medium				
NB Sierra Point Parkway off- ramp	Advisory Exception: HDM INDEX 504.3(5) - If the length of a single lane ramp exceeds 1,000 feet, an additional lane should be provided to allow passing maneuvers.	Non-standard number of lanes along the length of the ramp. The ramp is 1,300 feet long.	Medium				
NB Sierra Point Parkway off- ramp	Advisory Exception: HDM INDEX 202.5 - A superelevation transition should be designed in accordance with the diagram and tabular data shown in figure 202.5A to satisfy the requirement of safety, comfort, and pleasing appearances.	Non-standard superelevation transition to conform to the existing road.	Medium				
ALTERNATIVE 4	4						
NB Sierra Point Parkway and Oyster Point Blvd	Mandatory Exception: HDM INDEX 501.3 - Minimum Interchange Spacing The minimum interchange spacing shall be one mile in urban areas.	Non-standard interchange spacing of 0.89 miles between Oyster Point Boulevard and Sierra Point Parkway.	Medium				
Between the NB Oyster Point Blvd on-ramp and NB Sierra Point Parkway off- ramp	Mandatory Exception: HDM INDEX 504.7 - The minimum weaving length shall be 2,000 feet in urban areas.	1,800 foot weaving length between the Oyster Point on-ramp and Sierra Point Parkway off-ramp	Medium				
SB South San Francisco off- ramp and SB Oyster Point Blvd East off-ramp.	Advisory Exception: HDM INDEX 504.3 (10) - The minimum distance between successive exit ramps for guide signing should be 1,000 feet on freeway	Non-standard distance of 950 feet between successive exit ramps along same direction of roadway.	Medium				

#### 8. RIGHT-OF-WAY

#### A. Right-of-Way

Based on as-built plans and right of way record maps, right-of-way acquisition is required at the US 101 off-ramp to South San Francisco for all alternatives. Alternative 3 would also require an approximately 13,855 square feet of right-of-way acquisition from the southwest corner of the northbound Sierra Point Parkway off-ramp. Right-of-way estimates have been prepared for each alternative and are included in the estimates shown in Attachment F.

#### **B.** Utility

Pacific Gas & Electric (PG&E), AT&T, XO Communications, City of Brisbane, Kinder Morgan, and California Water Service Company have known facilities within the state right-of-way. Based on preliminary design, there are no longitudinal encroachments of public and private utilities in the state right-of-way. There are two transverse utility crossings that may potentially require relocation and coordination with utility owners.

Verification of utilities will be performed in the PA/ED phase and the need for potholing will be determined.

#### C. Railroad

There is an active Peninsula Corridor Joint Powers Board (JPB) rail corridor within the limits of this project. The JPB currently crosses underneath US 101 at the Sierra Point Parkway interchange.

Due to the widening of Sierra Point Overhead (Br. 35-0130) and replacement of the Sierra Point Off-ramp Overhead (Br. 35-0130S), construction operations within the JPB right-of-way will be required for all alternatives; however, it is anticipated that railroad facilities will not be affected. The contractor will need to coordinate and obtain work permit application from JPB for working within the JPB rail corridor. Coordination for work within the JPB right-of-way will be performed in the PA&ED phase. A Construction and Maintenance Agreement (C & M) would need to be entered between Caltrans and PCJPB. Furthermore, a request to California Public Utilities Commission (CPUC) for grade crossing widening over railroad pursuant to General Order 88-B must be submitted, reviewed, and approved by CPUC. Finally, it is possible that any existing agreement with JPB will need to be reviewed to determine if it needs to be updated based on the project improvements.

The potential exists for California High-Speed Rail Authority's (CAHSR) within the JPB corridor. Conceptual plans have identified that the twin high speed rail tracks will be running along the center of the existing active JPB rail corridor.

Accommodating the future CAHSR would require relocating the existing tracks toward the edges of the corridor. With the existing constraints of the challenging site, there is an insufficient room to meet preferred horizontal clearances from the face of column to centerline of track. Coordination with CAHSR will need to be performed in the PA&ED phase to come to agreement on minimum acceptable clearances.

#### 9. STAKEHOLDER INVOLVEMENT

The stakeholders have not yet been involved. Stakeholder involvement will occur in the PA/ED phase.

However, there is likely opposition by property owners who are potentially impacted by right of way acquisition in one of the alternatives. There may also be opposition by the City of Brisbane to Alternative 3 and 4 that change access to the City of Brisbane from northbound US 101.

It is anticipated that community involvement or public outreach will be conducted as part of the PA/ED phase so that the public will have an opportunity to review and comment on the proposed project alternatives

#### 10. ENVIRONMENTAL DETERMINATION/DOCUMENT

A Preliminary Environmental Analysis Report (PEAR) has been prepared in compliance with Caltrans' Guidelines for Preparation of the Preliminary Environmental Analysis Report (PEAR) Handbook. The PEAR is based on reconnaissance-level site visits (i.e., windshield surveys), and review of existing information, including design drawings, literature reviews and record searches. The PEAR is included as Attachment D.

SMCTA would be the implementing agency for PA/ED and Caltrans would act as the lead agency for California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA).

The anticipated environmental document for the Project is an Initial Study for CEQA and an Environmental Assessment for NEPA.

The environmental technical studies that are anticipated to be needed for the project are as follows: noise (and, if warranted, NADR), air quality (including MSAT), biology (NES and, if warranted, BA), wetland delineation (WDR), hazardous materials (ISA), floodplain (LHS and Floodplain Evaluation Report), cultural resources (HPSR, HRER, and ASR), paleontology (PIR), geotechnical (PGR), visual (VIA), and water quality (SWDR).

The following environmental studies may be required:

- Noise Abatement Decision Report (NADR)
- Biological Assessment (BA)

Due to the extensive vegetation removal, construction of several retaining walls, and its proximity to the Bay, all four build alternatives would likely require a moderate to advance level VIA, and aesthetic/architectural treatment for the retaining walls. In addition, all four build alternatives would require permits or approvals from the following agencies due to channel modifications, widening of structures over a waterway, and/or construction of a new off-ramp in a potential wetland:

- U.S. Army Corps of Engineers
- San Francisco Bay Conservation and Development Commission (BCDC)
- Regional Water Quality Control Board
- California Department of Fish & Wildlife
- U.S. Fish and Wildlife Service
- National Marine Fisheries Services

To the extent that the alternatives result in permanent impacts to saltwater or brackish wetlands, aquatic habitat, and/or riparian areas, compensatory mitigation would be required as a part of the permit process.

#### Sea Level Rise

Recognizing the associated impacts of the sea level rise (SLR) to the development along California coastal region, an Executive Order (EO) S-13-08, issued by Gov. Arnold Schwarzeneger on November 14, 2008, directs State agencies planning for construction projects to consider the potential impacts and identify the mitigation costs due to SLR scenarios for the years 2050 and 2100. Since the Project is located adjacent to the San Francisco Bay, the Project may potentially be affected by the SLR.

Based on the most recent assessment from the Intergovernmental Panel on Climate Change (IPCC), the mean sea level will rise by 0.24 - 0.29 meters, or up to one foot, by 2065 depending on how greenhouse gas emissions change. Based on the *Sea Level Rise Viewer* tool maintained by the National Oceanic and Atmospheric Administration (NOAA), sea level rise up to six feet above current sea level would not inundate any part of US 101 within the project limits. Therefore, climate change-induced sea level rise is not expected to present an inundation hazard for US 101 within the project limits by 2065. Due to the low-lying location of the project and the proximity to the San Francisco Bay, however, the potential effects of sea level rise on the project would be further studied during the PA/ED phase of the project.

#### 11. FUNDING

#### **Capital Outlay Project Estimate**

	Range of Estimate		STIP Funds		Other Funds	
	Construction	Right-of- Way	Construction	Right-of- Way	Construction	Right-of- Way
Alternative 1	\$54.7 M	\$0.1 M	TBD	TBD	TBD	TBD
Alternative 2	\$76.0 M	\$0.1 M	TBD	TBD	TBD	TBD
Alternative 3	\$92.0 M	\$2.9 M	TBD	TBD	TBD	TBD
Alternative 4	\$68.2 M	\$0.1 M	TBD	TBD	TBD	TBD

Based on the construction cost range above, the proposed Capital Outlay Support Estimates are shown below for Alternative 3, the costliest alternative.

ACTIVITY	%		2015	DATE OF	ESCALA-	ESCALATED
			DOLLARS	OUTLAY	TION RATE	COST
PA&ED	7%	of	\$6.5 M	12/1/15;		\$6,500,000
		Construction		12/1/17		
PS&E	14%	of	\$12.9 M	7/1/18	3%	\$14,100,000
		Construction				
R/W SUPPORT	10.5%	of Right of	\$0.3 M	7/1/18	3%	\$328,000
		Way				
R/W	100%	of Right of	\$2.9 M	7/1/18	3%	\$3,200,000
ACQUISITION		Way				
CONSTRUCTION	15%	of	\$13.8 M	7/1/21	3%	\$16,500,000
SUPPORT		Construction				
CONSTRUCTION	100%	of	\$92.0 M	7/1/21	3%	\$109,970,000
		Construction				
T(	TAL		<u>\$128.4 M</u>			<u>\$150,598,000</u>

The level of detail available to develop these capital outlay project estimates is only accurate to within the above ranges and is useful for long-range planning purposes only. The capital outlay project estimates should not be used to program or commit State-programmed capital outlay funds.

Responsibility for project development activities beyond the PID phase will be determined at a later date.

A separate cooperative agreement for construction contract procurement and construction will be prepared and executed in the future.

#### 12. SCHEDULE

Project Milestones		Scheduled Delivery Date (Month/Day/Year)
PROGRAM PROJECT	M015	10/1/15
BEGIN ENVIRONMENTAL	M020	12/1/15
CIRCULATE DPR & DED EXTERNALLY	M120	6/1/17
PA & ED	M200	12/1/17
PS & E	M380	9/1/20
RIGHT-OF-WAY CERT	M410	9/1/20
READY TO LIST (RTL)	M460	11/1/20
CONSTRUCTION CONTRACT ACCEPTANCE (CCA)	M600	11/1/23

The anticipated funding fiscal year for construction is 2020/2021.

#### **13. RISKS**

The overall risk rating for most of the risks as identified and shown in the Attachment G "Project Risk Register" of this PSR-PDS is low or medium. The risks are primarily environmental-related which will apply to the PA/ED phase including BCDC review and regulatory agency review as they apply to scope, time and mitigation costs. The medium risks are the right of way acquisition associated with Alternative 3 or the possibility of City of Brisbane controversy due to closure of the Northbound Bayshore Boulevard exit ramp in Alternative 4.

Other potential risks related to this project are listed in the Project Risk Register.

#### 14. FHWA COORDINATION

This project is considered to be an Assigned Project in accordance with the current Federal Highway Administration (FHWA) and Department of Transportation (Caltrans) Joint Stewardship and Oversight Agreement dated October 14, 2010.

#### 15. PROJECT PERSONNEL

Caltrans Project Manager	Richelle Perez	(510) 286-4998
Caltrans Advance Planning	Mimy Hew	(510) 286-5578
Caltrans Dep. Dist. Dir. of	Melanie Brent	(510) 286-5907
Env. Plng & Eng.		
Caltrans Right of Way	Latorya Young	(510) 286-5489
Branch Reviewer		
Caltrans Highway	Lance Hall	(510) 286-6311
Operations		
FHWA Transportation	Lanh Phan	(916) 498-5046
Engineer		
SMCTA Project Manager	Jim McKim	(650) 508-7944
C/CAG Project Manager	Jean Higaki	(650) 599-1462
Consultant	Natalina Bernardi	(925) 396-7700

#### 16. PROJECT REVIEWS

Field Review		_Date_	
District Maintenance		_Date	
District Traffic Safety Engineer		_Date	
Headquarters Design Coordinator	Lawrence T. Moore	_Date	9/2/14;11/13/14
			2/13/15
Project Manager	Richelle Perez	_Date	12/17/14
FHWA	Lanh Phan	_Date	
District Safety Review	Hai Xu	_Date	
Constructability Review	Joey Morrison	_Date	2/11/15
Other		_Date	

#### 17. ATTACHMENTS

Attachment A - Location Map

Attachment B - Preliminary Plans of Alternatives and Typical Sections

Attachment C - Capital Outlay Project Estimate

Attachment D - Preliminary Environmental Analysis Report (PEAR)

Attachment E - Transportation Planning Scoping Information Sheet

Attachment F - Right of Way Conceptual Cost Estimate Component

Attachment G – Project Risk Register

## **ATTACHMENTS FOR PROJECT FILE (not a part of PSR-PDS)(for reference only in Project File)**

Attachment 1 – Storm Water Data Report

Attachment 2 – PSR-PDS Survey Needs Questionnaire

Attachment 3- Traffic Engineering Performance Assessment

Attachment 4 – DES PSR-PDS Scoping Checklist

Attachment 5 – Design Scoping Index

Attachment 6 – Quality Management Plan

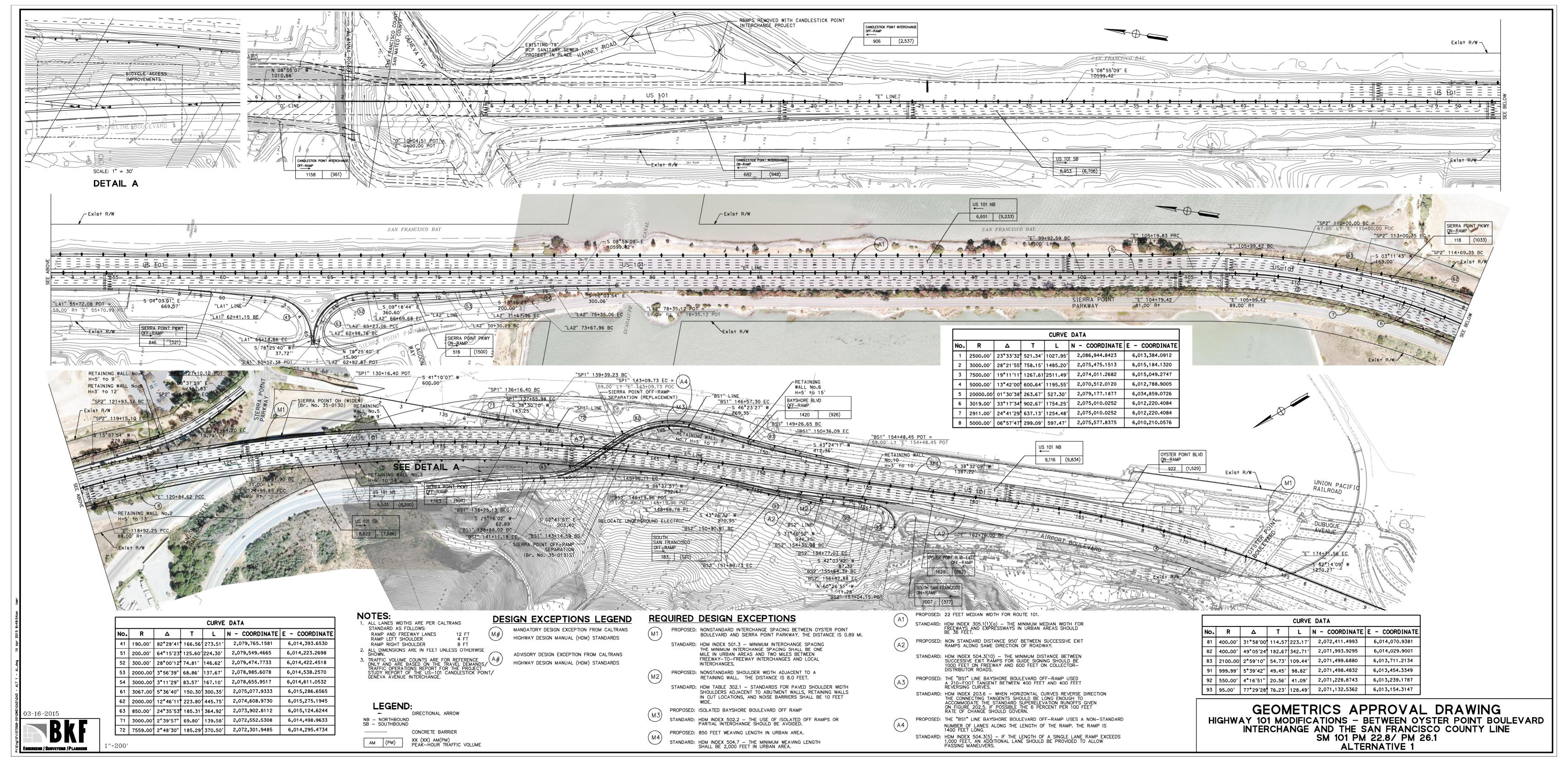
Attachment 7 – Phase 1 Initial Site Assessment

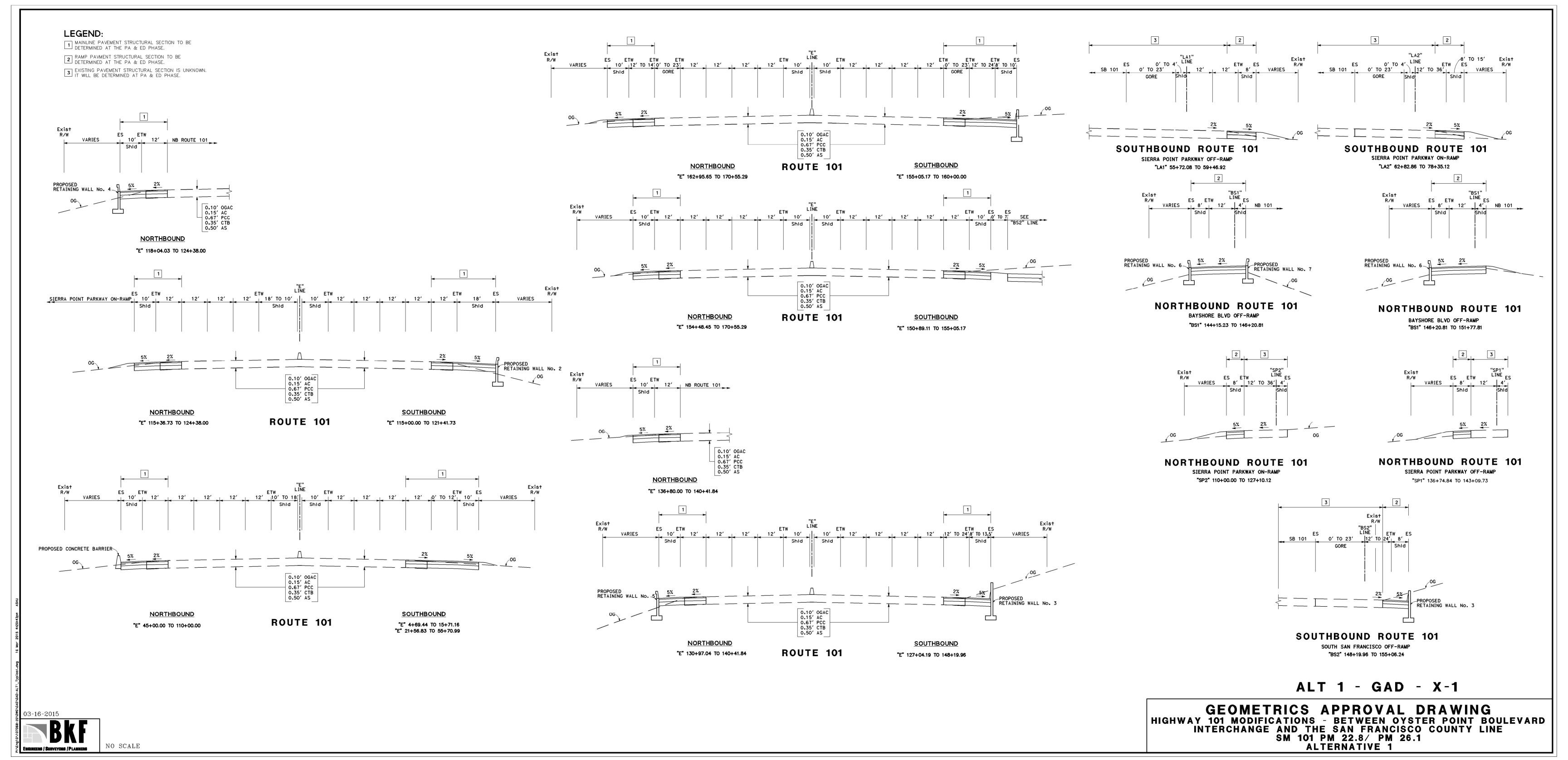
Attachment 8 – FEMA Maps

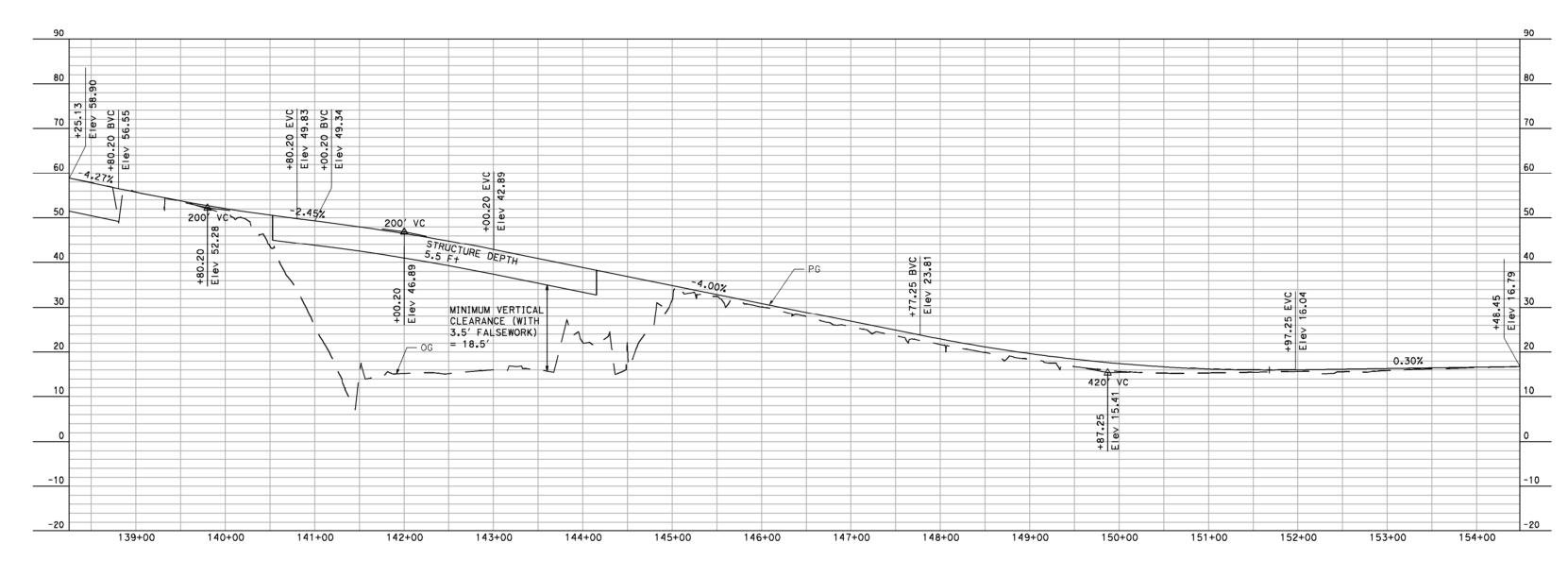
## Attachment A: Location Map



## Attachment B: Preliminary Plans of Alternatives and Typical Sections

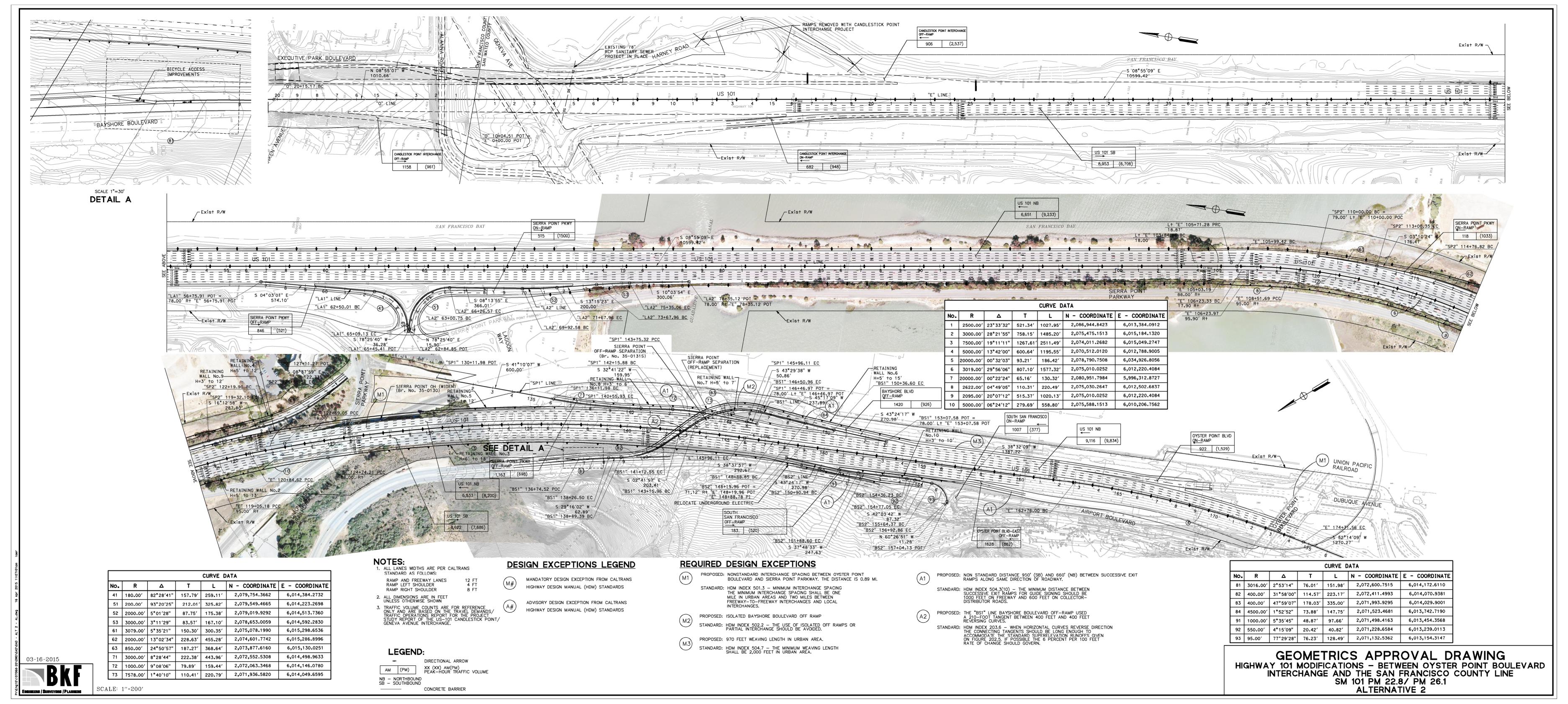


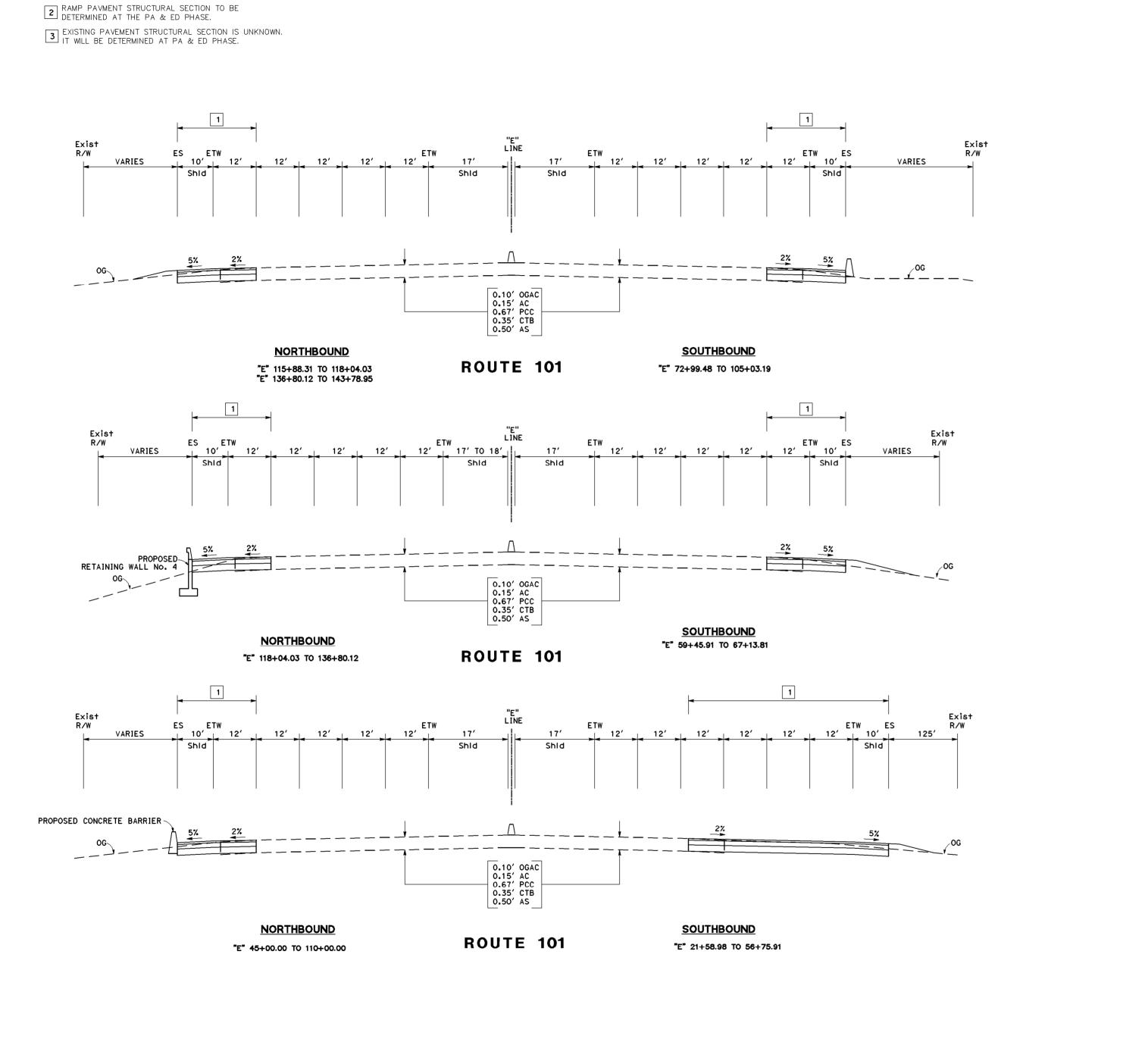


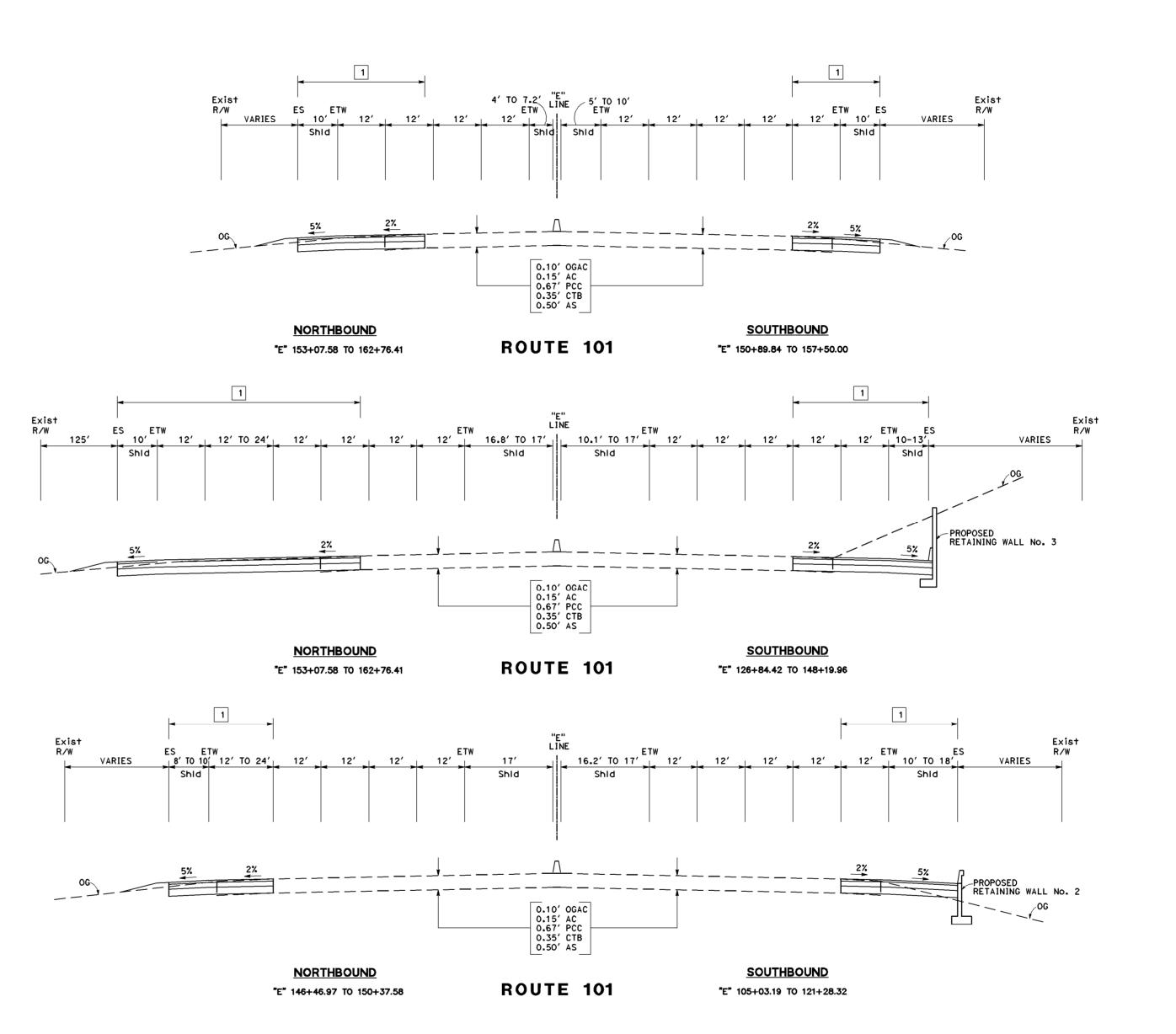


NB BAYSHORE BLVD OFF-RAMP

ALT 1 - PROFILE



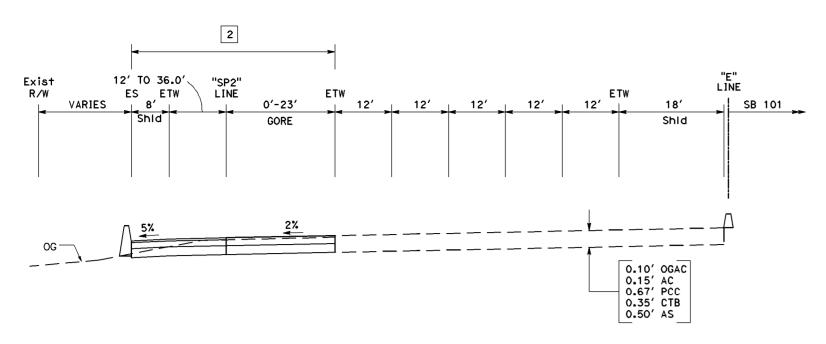




ALT 2 - GAD - X-1

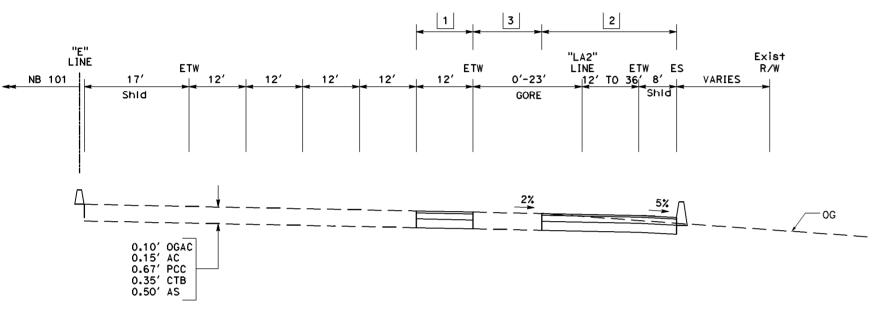
LEGEND:

MAINLINE PAVEMENT STRUCTURAL SECTION TO BE DETERMINED AT THE PA & ED PHASE.



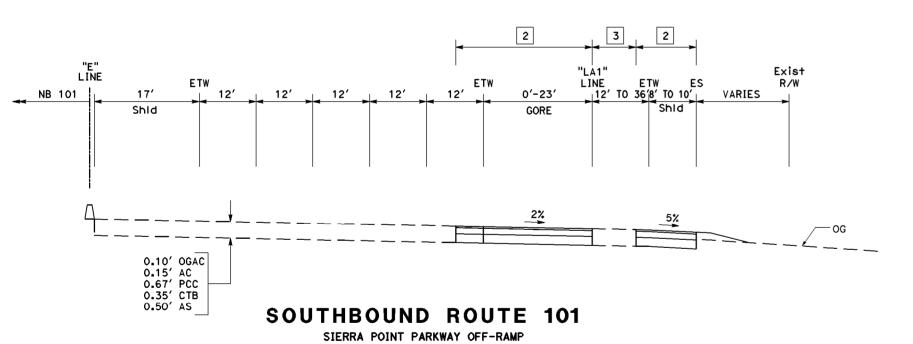
## NORTHBOUND ROUTE 101

SIERRA POINT PARKWAY ON-RAMP "E" 110+00.00 TO "E" 127+11.27

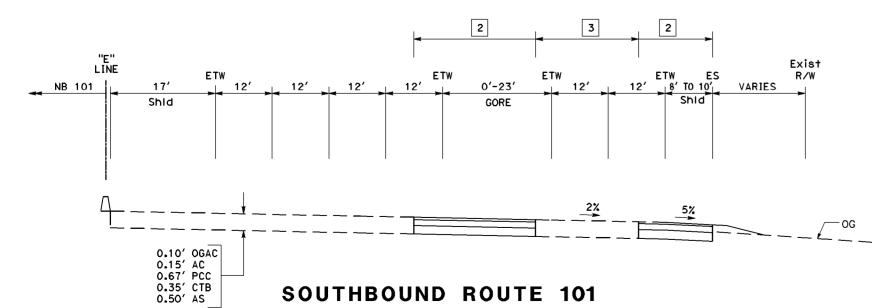


### SOUTHBOUND ROUTE 101

SIERRA POINT PARKWAY ON-RAMP "E" 72+49.45 TO "E" 78+35.12

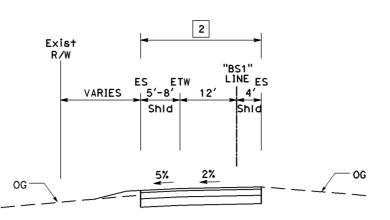


"LA1" 56+75.91 TO "LA1" 65+45.41



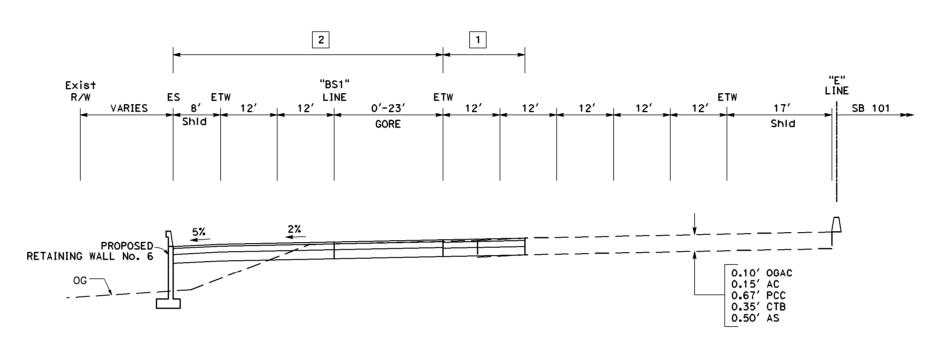
CANDLESTICK POINT INTERCHANGE ON-RAMP

"E" 15+73.31 TO "E" 21+58.98



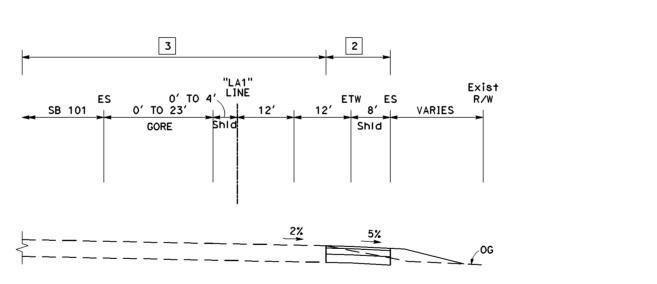
### NORTHBOUND ROUTE 101

BAYSHORE BLVD OFF-RAMP "BS1" 126+00.14 TO "BS1" 130+04.47



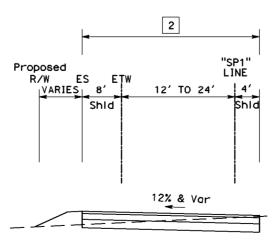
## NORTHBOUND ROUTE 101

BAYSHORE BLVD OFF-RAMP "BS1" 139+76.48 TO "BS1" 145+76.48



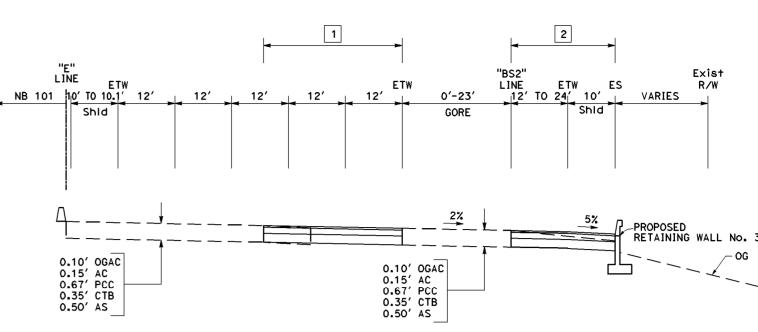
#### **SOUTHBOUND ROUTE 101**

SIERRA POINT PARKWAY OFF-RAMP "LA1" 55+72.08 TO 59+46.92



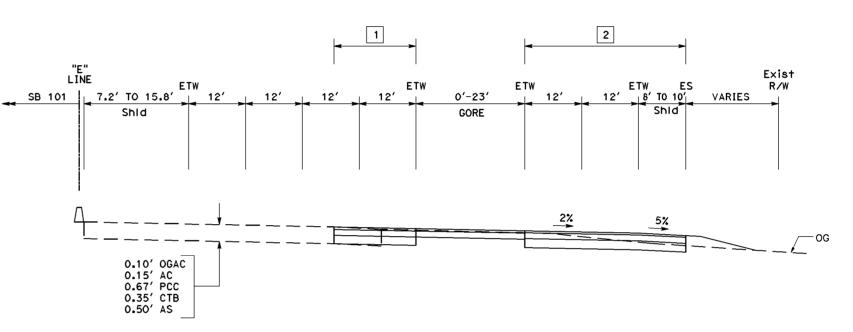
#### NORTHBOUND ROUTE 101 SIERRA POINT PARKWAY OFF-RAMP

"SP1" 126+49.52 TO 135+05



## SOUTHBOUND ROUTE 101 SOUTH SAN FRANCISCO OFF-RAMP

"BS2" 148+19.96 TO "BS2" 150+06.22



#### **SOUTHBOUND ROUTE 101**

OYSTER POINT BOULEVARD EAST OFF-RAMP

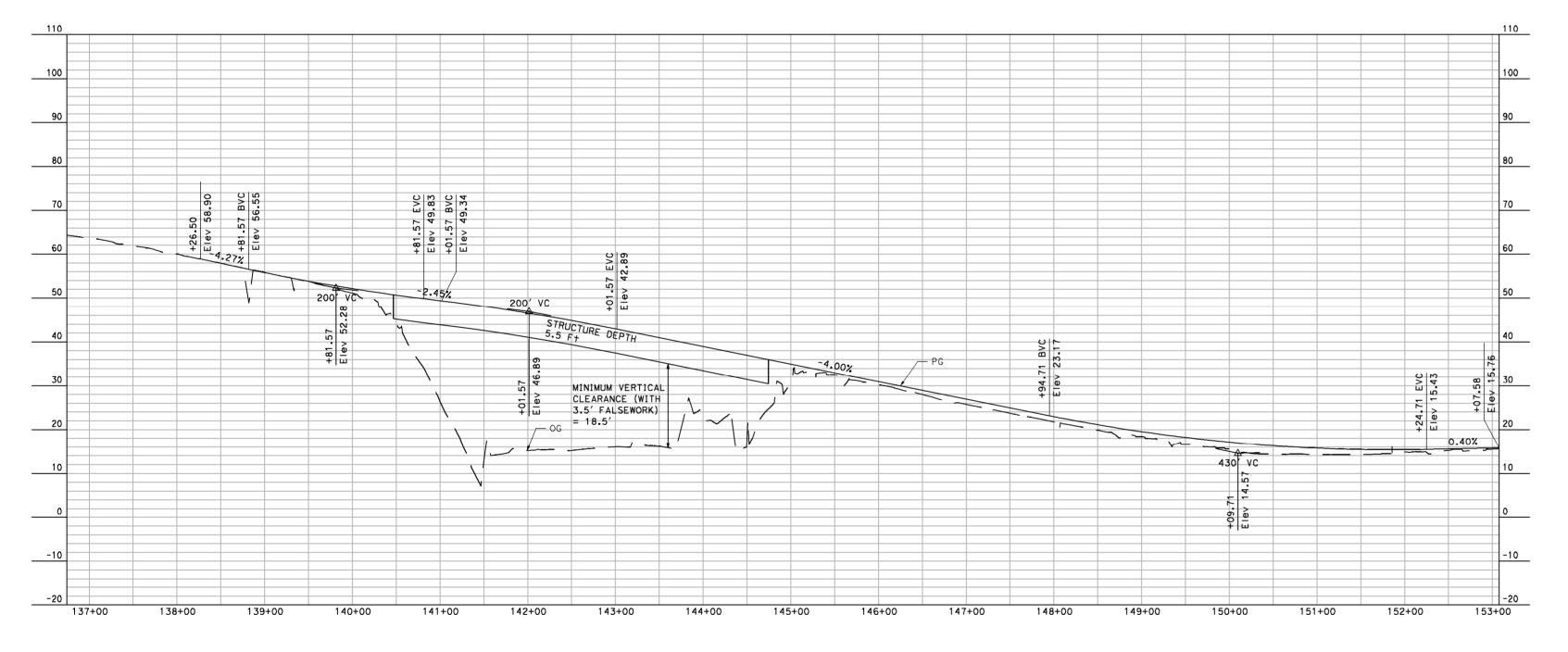
"E" 162+76.41 TO "E" 168+26.63

ALT 2 - GAD - X-2

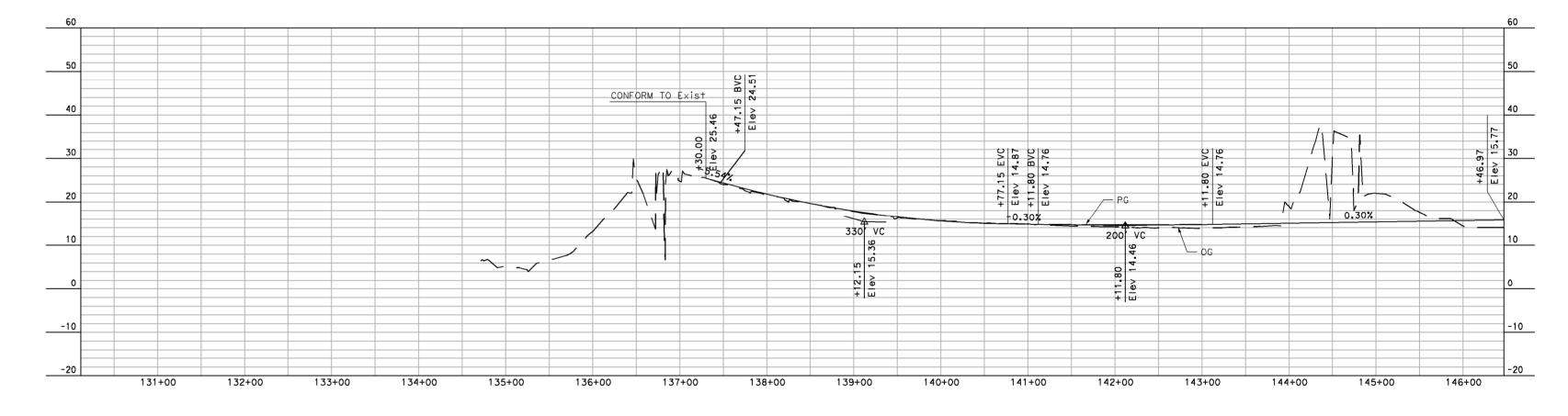
GEOMETRICS APPROVAL DRAWING HIGHWAY 101 MODIFICATIONS - BETWEEN OYSTER POINT BOULEVARD INTERCHANGE AND THE SAN FRANCISCO COUNTY LINE SM 101 PM 22.8/ PM 26.1 ALTERNATIVE 2

03-16-2015

NO SCALE



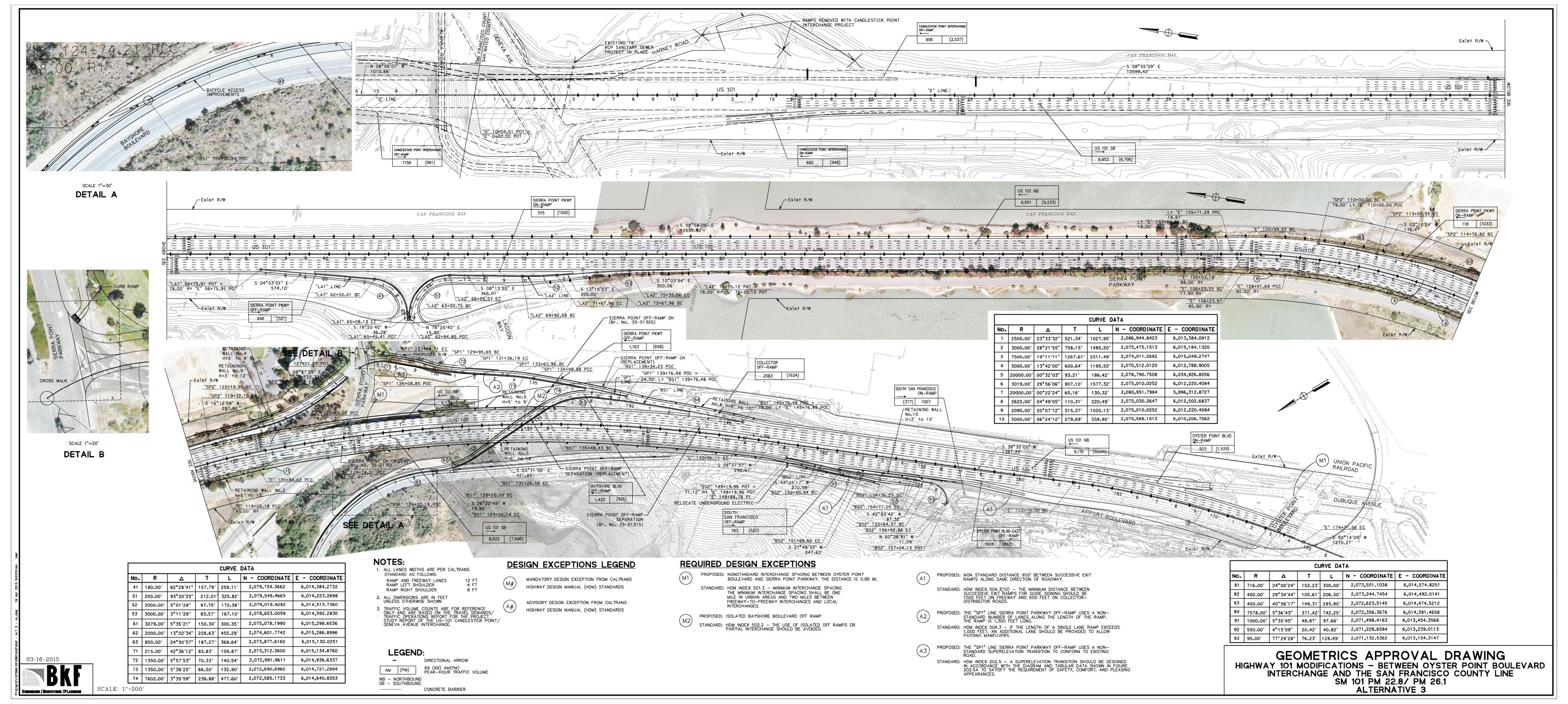
NB BAYSHORE BLVD OFF-RAMP

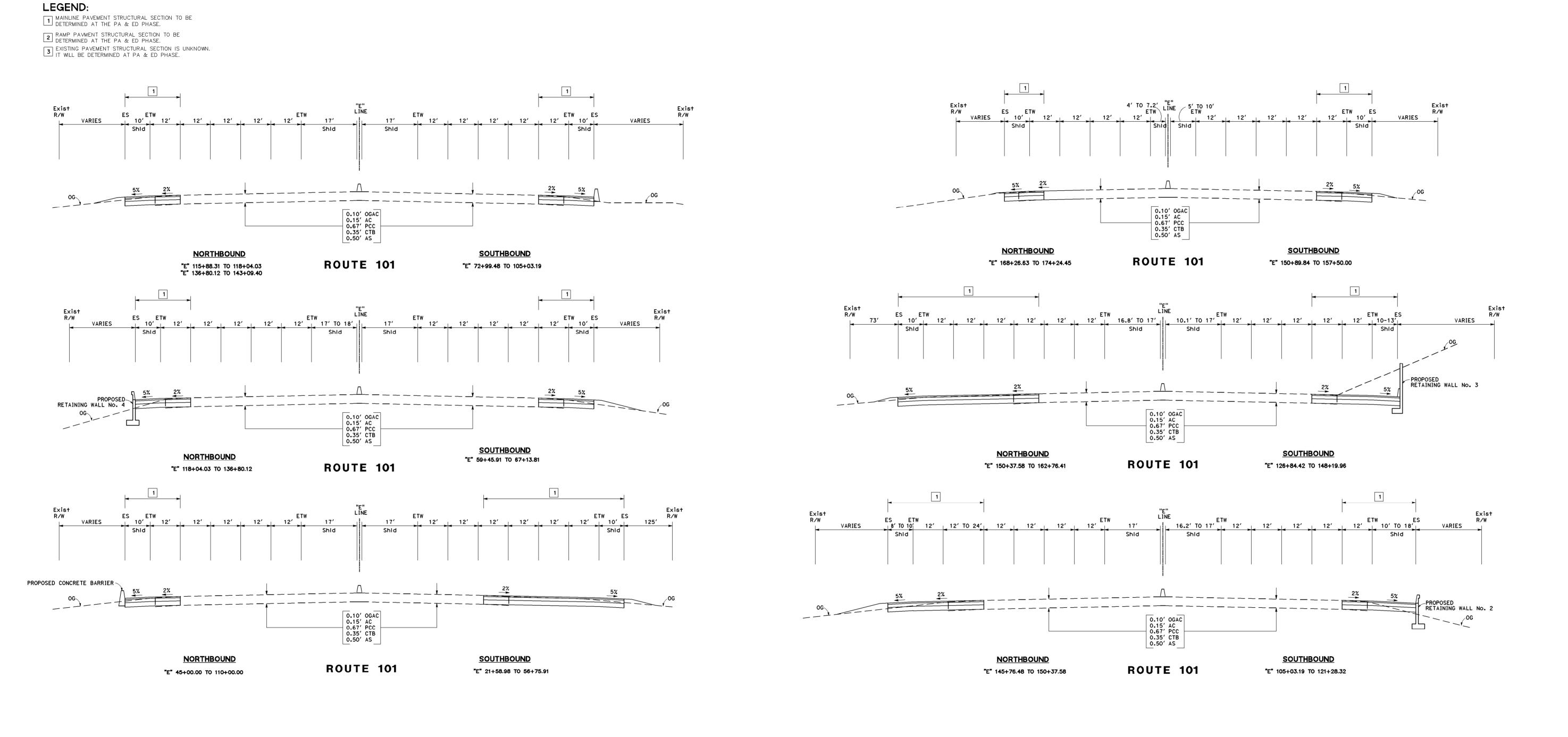


NB SIERRA POINT PARKWAY OFF-RAMP

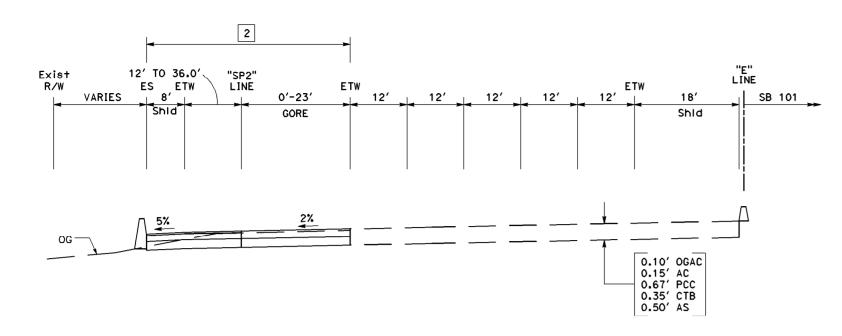
ALT 2 - PROFILE

GEOMETRICS APPROVAL DRAWING
HIGHWAY 101 MODIFICATIONS - BETWEEN OYSTER POINT BOULEVARD
INTERCHANGE AND THE SAN FRANCISCO COUNTY LINE
SM 101 PM 22.8/ PM 26.1
ALTERNATIVE 2



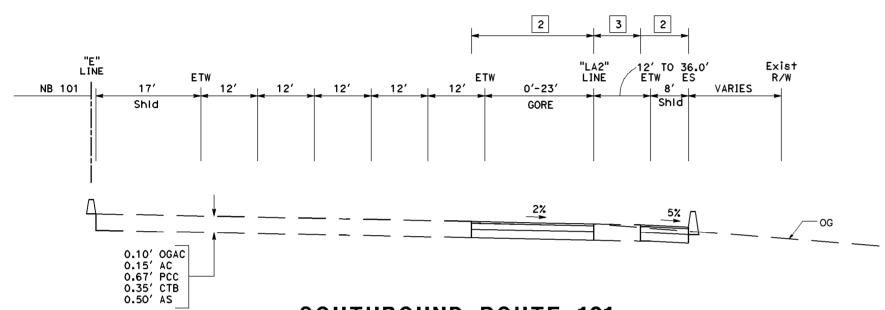


03-16-2015



## NORTHBOUND ROUTE 101

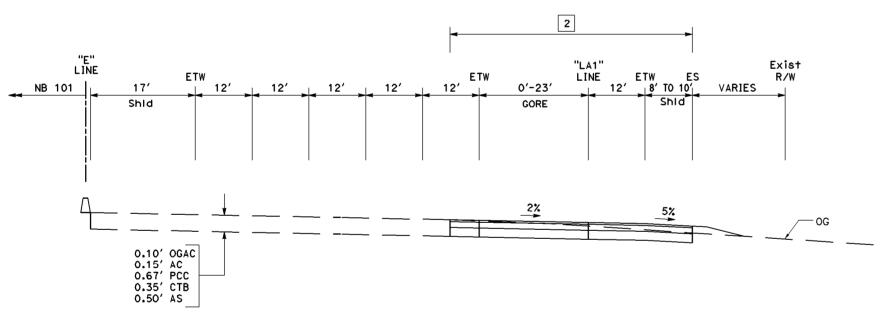
SIERRA POINT PARKWAY ON-RAMP "E" 110+00.00 TO "E" 127+11.27



## **SOUTHBOUND ROUTE 101**

SIERRA POINT PARKWAY ON-RAMP

"E" 63+00.75 TO "E" 78+35.12



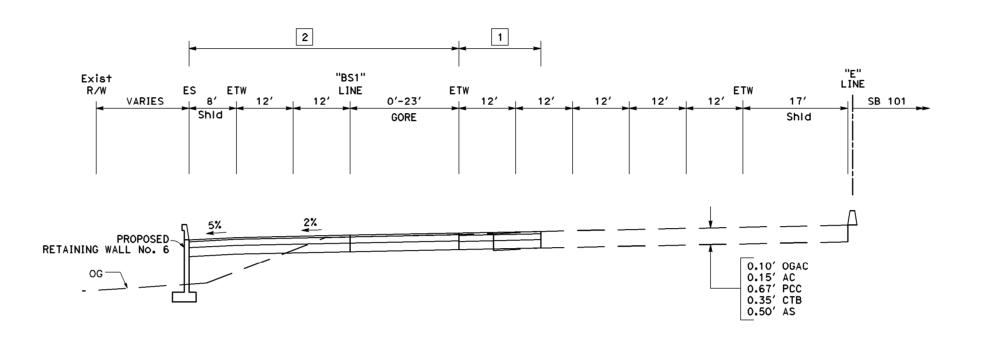
## **SOUTHBOUND ROUTE 101**

SIERRA POINT PARKWAY OFF-RAMP

"E" 56+75.91 TO "E" 72+49.45

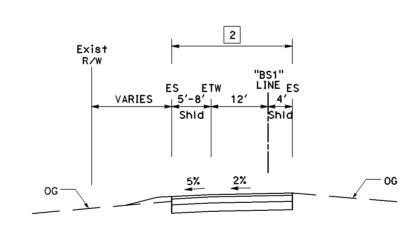
### **SOUTHBOUND ROUTE 101**

CANDLESTICK POINT INTERCHANGE ON-RAMP "E" 15+73.31 TO "E" 21+58.98



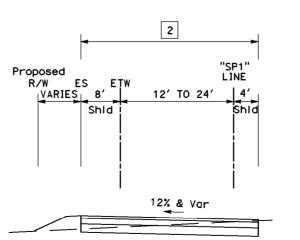
# NORTHBOUND ROUTE 101 BAYSHORE BLVD OFF-RAMP

"BS1" 139+76.48 TO "BS1" 145+76.48



## NORTHBOUND ROUTE 101

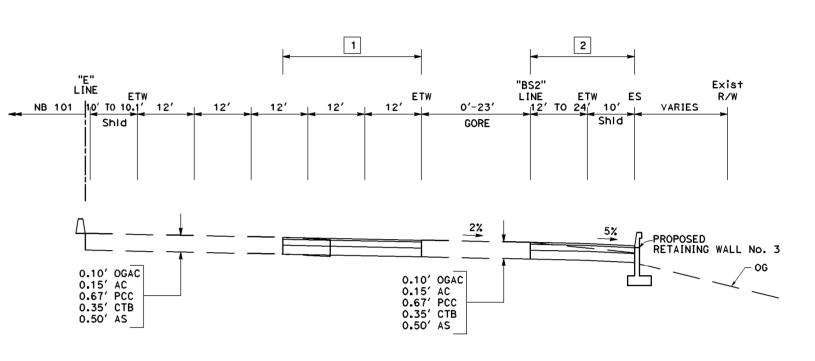
BAYSHORE BLVD OFF-RAMP "BS1" 126+00.14 TO "BS1" 130+04.47



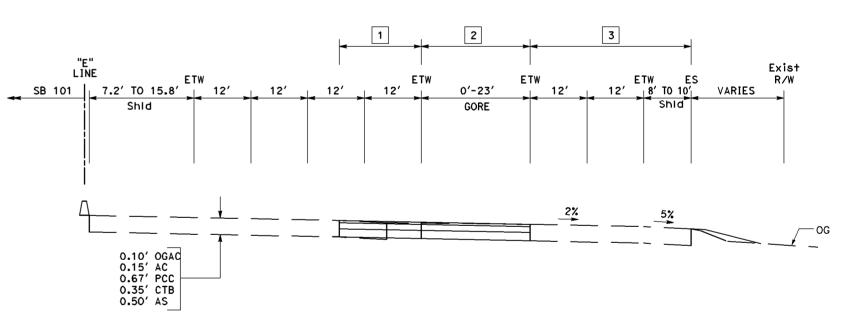
## NORTHBOUND ROUTE 101

SIERRA POINT PARKWAY OFF-RAMP

"SP1" 126+49.52 TO 127+49.19



## **SOUTHBOUND ROUTE 101**



#### SOUTHBOUND ROUTE 101 OYSTER POINT BOULEVARD EAST OFF-RAMP

"E" 162+76.41 TO "E" 168+26.63

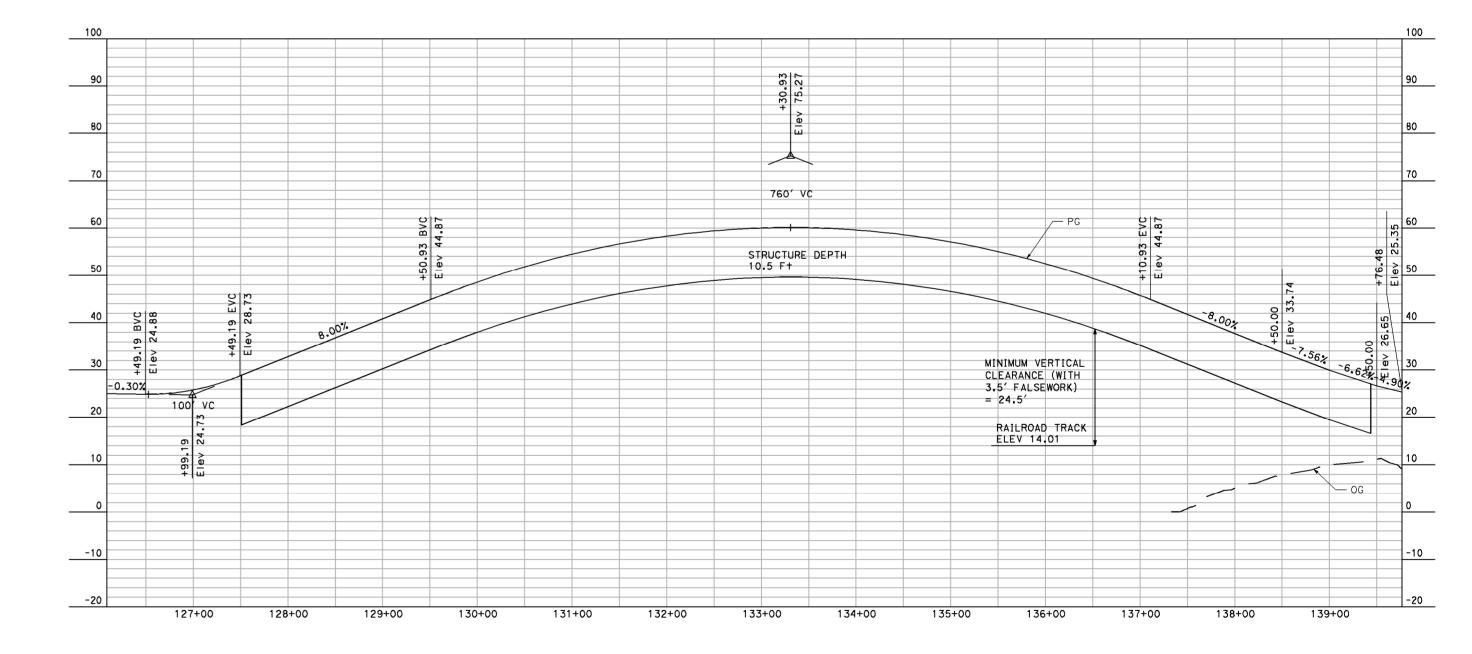
ALT 3 - GAD - X-2

GEOMETRICS APPROVAL DRAWING
HIGHWAY 101 MODIFICATIONS - BETWEEN OYSTER POINT BOULEVARD
INTERCHANGE AND THE SAN FRANCISCO COUNTY LINE
SM 101 PM 22.8/ PM 26.1
ALTERNATIVE 3

03-16-2015





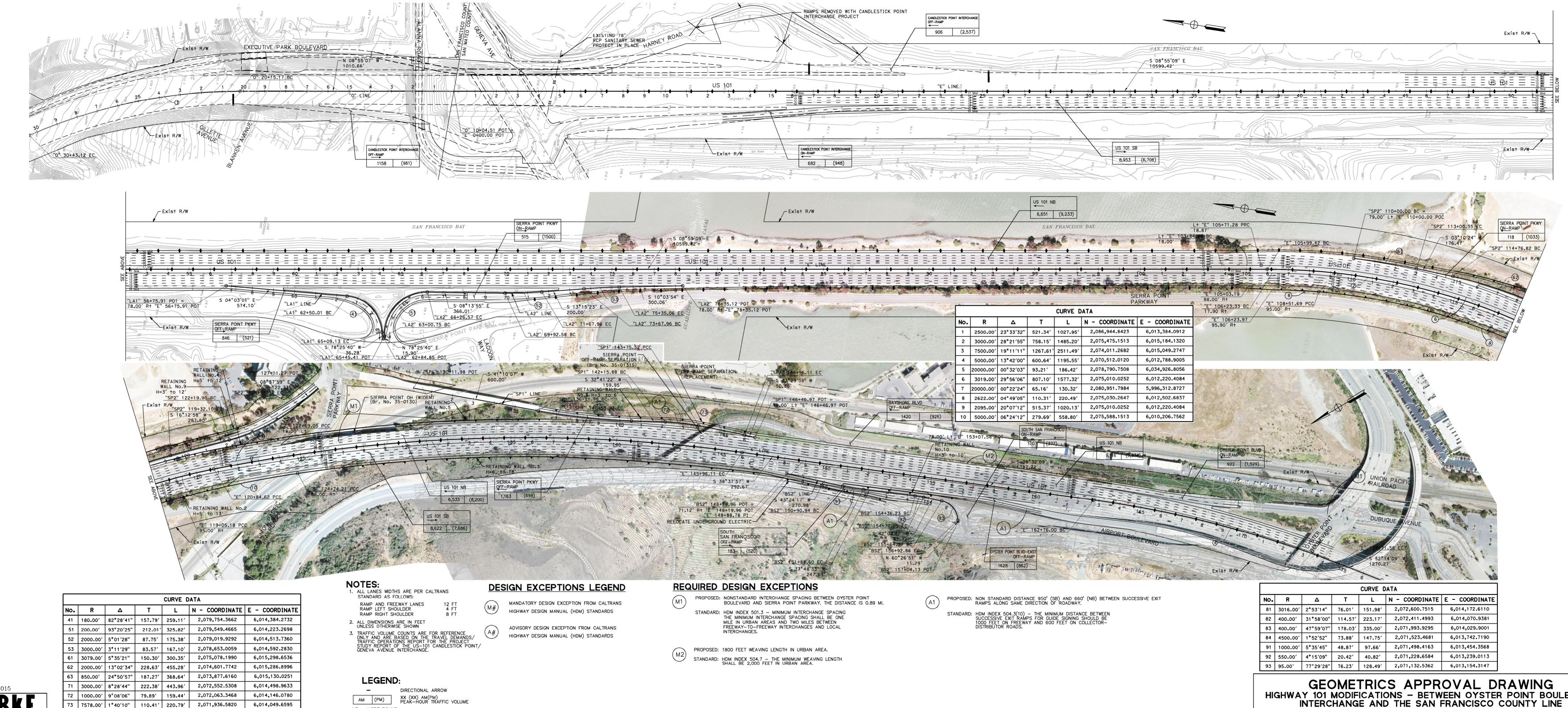


NB SIERRA POINT PARKWAY OFF-RAMP

ALT 3 - PROFILE

GEOMETRICS APPROVAL DRAWING
HIGHWAY 101 MODIFICATIONS - BETWEEN OYSTER POINT BOULEVARD
INTERCHANGE AND THE SAN FRANCISCO COUNTY LINE
SM 101 PM 22.8/ PM 26.1
ALTERNATIVE 3





03-16-2015

SCALE: 1"=200'

NB — NORTHBOUND SB — SOUTHBOUND

CONCRETE BARRIER

HIGHWAY 101 MODIFICATIONS - BETWEEN OYSTER POINT BOULEVARD INTERCHANGE AND THE SAN FRANCISCO COUNTY LINE SM 101 PM 22.8/ PM 26.1

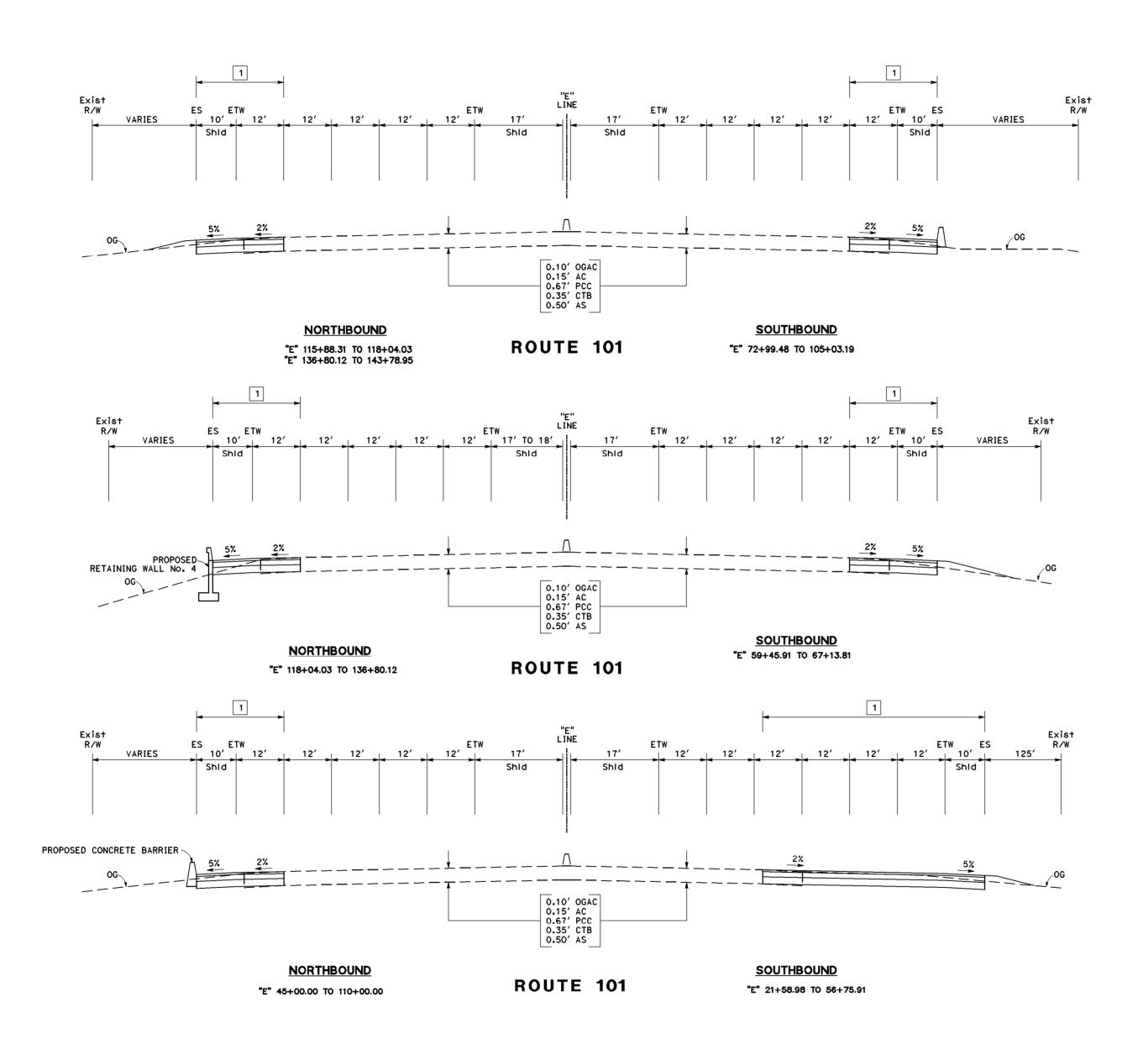
**ALTERNATIVE 4** 

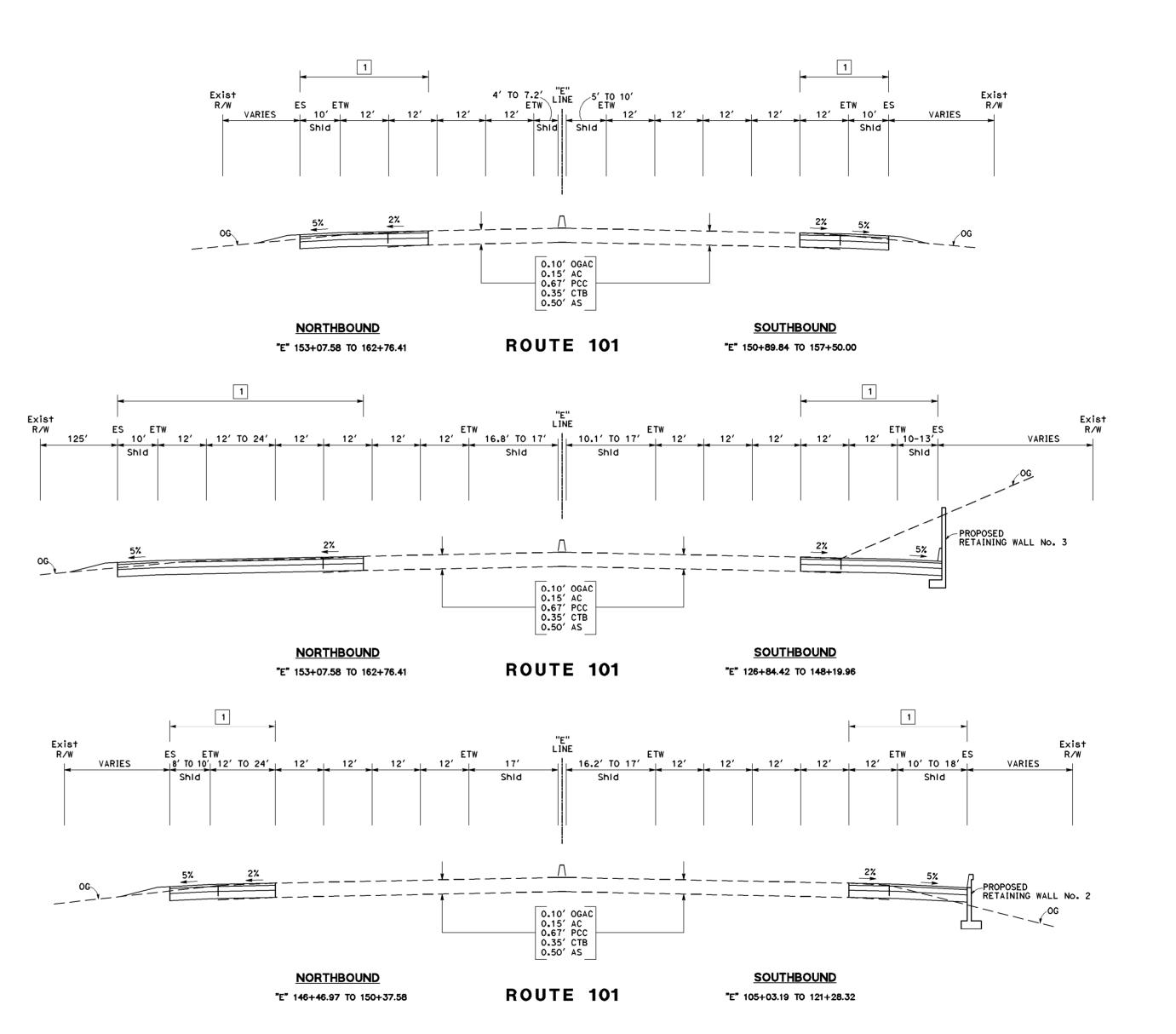
## LEGEND:

MAINLINE PAVEMENT STRUCTURAL SECTION TO BE DETERMINED AT THE PA & ED PHASE.

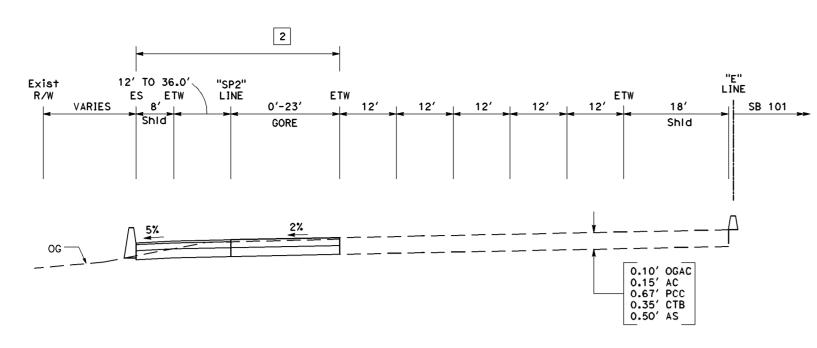
RAMP PAVMENT STRUCTURAL SECTION TO BE DETERMINED AT THE PA & ED PHASE.

3 EXISTING PAVEMENT STRUCTURAL SECTION IS UNKNOWN. IT WILL BE DETERMINED AT PA & ED PHASE.

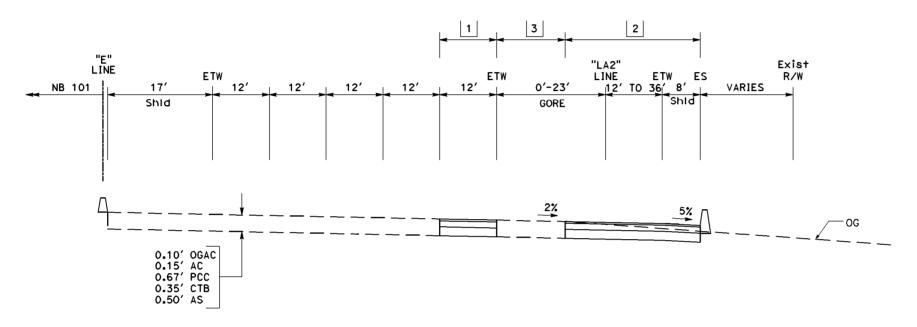




ALT 4 - GAD - X-1

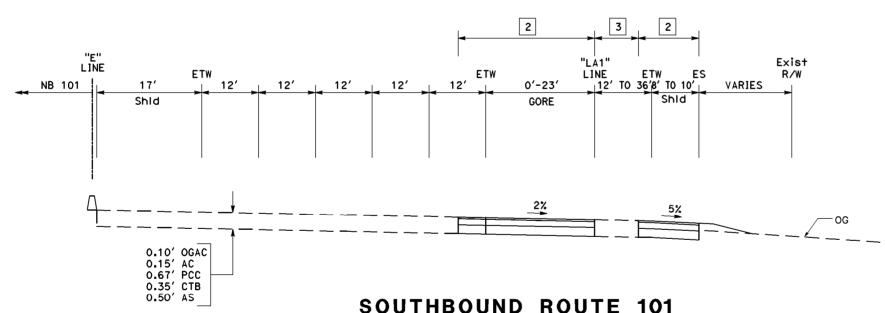


# NORTHBOUND ROUTE 101 SIERRA POINT PARKWAY ON-RAMP "E" 110+00.00 TO "E" 127+11.27



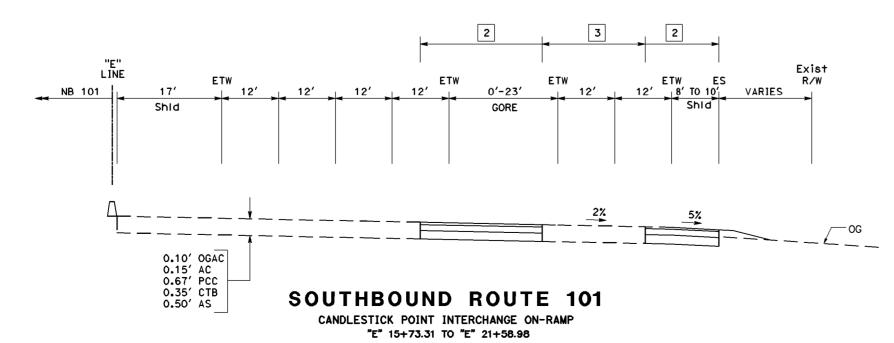
## **SOUTHBOUND ROUTE 101**

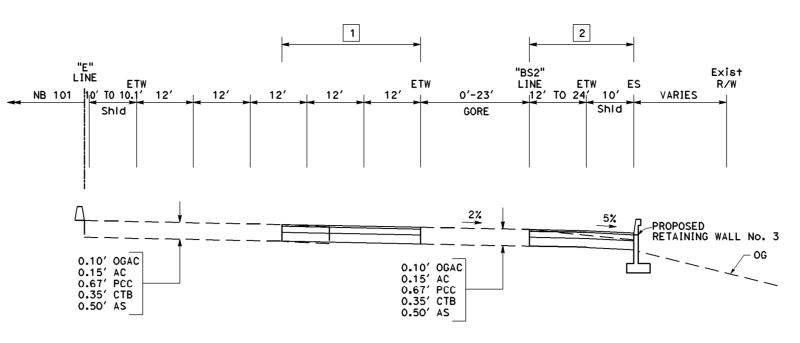
SIERRA POINT PARKWAY ON-RAMP "E" 72+49.45 TO "E" 78+35.12



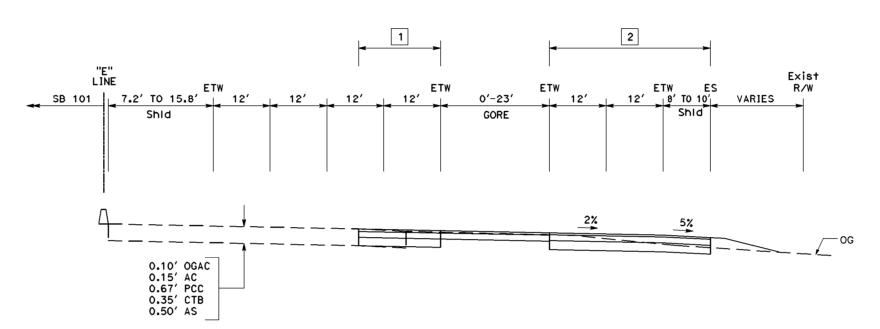
# SOUTHBOUND ROUTE 101

SIERRA POINT PARKWAY OFF-RAMP "LA1" 56+75.91 TO "LA1" 65+45.41



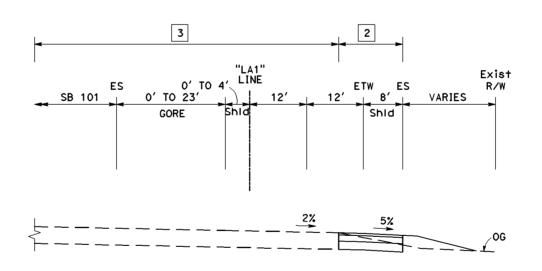


## SOUTHBOUND ROUTE 101 SOUTH SAN FRANCISCO OFF-RAMP "BS2" 148+19.96 TO "BS2" 150+06.22



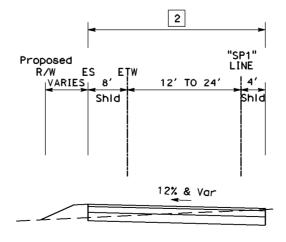
#### **SOUTHBOUND ROUTE 101** OYSTER POINT BOULEVARD EAST OFF-RAMP

"E" 162+76.41 TO "E" 168+26.63



### SOUTHBOUND ROUTE 101

SIERRA POINT PARKWAY OFF-RAMP "LA1" 55+72.08 TO 59+46.92



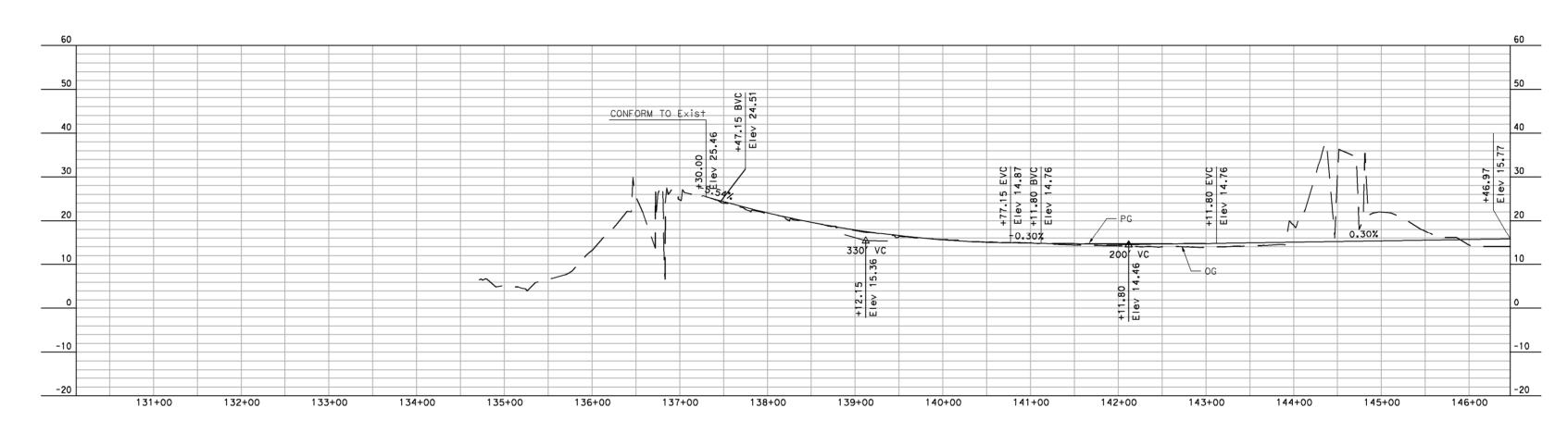
## NORTHBOUND ROUTE 101

SIERRA POINT PARKWAY OFF-RAMP "SP1" 126+49.52 TO 135+05

ALT 4 - GAD - X-2

GEOMETRICS APPROVAL DRAWING
HIGHWAY 101 MODIFICATIONS - BETWEEN OYSTER POINT BOULEVARD
INTERCHANGE AND THE SAN FRANCISCO COUNTY LINE
SM 101 PM 22.8/ PM 26.1
ALTERNATIVE 4

03-16-2015



NB SIERRA POINT PARKWAY OFF-RAMP

ALT 4 - PROFILE

GEOMETRICS APPROVAL DRAWING
HIGHWAY 101 MODIFICATIONS - BETWEEN OYSTER POINT BOULEVARD
INTERCHANGE AND THE SAN FRANCISCO COUNTY LINE
SM 101 PM 22.8/ PM 26.1
ALTERNATIVE 4

# Attachment C: Capital Outlay Project Estimate

## ALTERNATIVE 1 ANALYSIS Project Estimate Cost Summary

	District-County-Rou	te	04-SM-101
	Pl	M	22.8/26.1
	E	 :A	04-3G860
	Project I	 ID	04 1400 0256
PROJECT DESCRIPTION:	•		
Limits Oyster Point Boulevard to San Fra	ncisco County Line		
Proposed Improvement (Scano)			
Proposed Improvement (Scope) Widen NB & SB 101 with auxiliary	lane from Oyster Point Boulevard interc	:hange t	0
	Non-standard Shoulder at retaining wall		
Alternative 1			
SUMMARY OF PR	OJECT COST ESTIMATE		
TOTAL ROADWAY ITEMS		\$	32,198,000
TOTAL STRUCTURE ITEMS		\$	22,516,000
	SUBTOTAL CONSTRUCTION COSTS	\$	54,714,000
TOTAL RIGHT OF WAY ITEMS (Cur	rent Value)	\$	75,000.00
TOTAL PROJ	ECT CAPITAL OUTLAY COSTS	\$	54,789,000
Reviewed by District Program Manager			
	(Signature)		Date
Approved by Project Manager			
- pp. 5. 52 2) ojošt managoi	(Signature)		Date
Phone No.			

		District	-County-Route PM EA	22.8	M-101 /26.1 G860
I. ROADWAY ITEMS					
Section 1 Earthwork  Roadway Excavation Imported Borrow Clearing & Grubbing Develop Water Supply	Quantity 40,039 - 1 1	Unit CY CY LS LS	Unit Price  \$ 30  \$ -  \$ 100,000  \$ 100,000	\$ 1,201,170 \$ - \$ 100,000 \$ 100,000	Section Cost
			Subt	otal Earthwork	\$ 1,401,170
Section 2 - Pavement Structural Section* Pavement	Quantity 608,876	Unit SF	Unit Price \$ 10	Item Cost \$ 6,088,760	Section Cost
		Subtot	al Pavement Str	uctural Section	\$ 6,088,760
Section 3 - Drainage Project Drainage	Quantity 1	Unit LS	Unit Price \$ 2,435,500	1tem Cost \$ 2,435,500	Section Cost

Sutotal Drainage \$ 2,435,500

<sup>\*</sup> See Typicals for Pavement Structural Structural Section

District-County-Route	04-SM-101
PM	22.8/26.1
EA	04-3G860

Section 4 - Specialty Items	Quantity	Unit	Unit Price	Item Cost	Section Cost
Retaining Walls	See Structur	e Items		\$ -	
Noise Barrier	0	LF	\$ 600	\$ -	
Concrete Barrier (Type 60C)	22,350	LF	\$ 100	\$ 2,235,000	
Permanent Treatment BMPs	1	LS	\$ 637,940	\$ 637,940	
Prepare SWPPP	1	LS	\$ 15,000	\$ 15,000	
Hazardous Waste Investigation					
and/or Mitigation Work	1	LS	\$ 140,117	\$ 140,117	
Water Pollution Control	1	LS	\$ 637,940	\$ 637,940	
Environmental Mitigation	1	LS	\$ 280,234	\$ 280,234	
Resident Engineer Office Space	1	LS	\$ 150,000	\$ 150,000	
Highway Planting & Irrigation	1	LS	\$ 2,000,000	\$ 2,000,000	
Aesthetic/Architectureal Treatment	1	LS	\$ 115,000	\$ 115,000	
			Subtotal	Specialty Items	\$ 6,211,231
Section 5 - Traffic Items	Quantity	Unit	Subtotal Unit Price	Specialty Items  Item Cost	\$ 6,211,231 Section Cost
	Quantity 1	Unit LS		, ,	
Lighting (Including Temp Lighting)			Unit Price	Item Cost	
Lighting (Including Temp Lighting) Traffic Control Systems	1	LS	Unit Price \$ 275,000	Item Cost \$ 275,000	
Lighting (Including Temp Lighting) Traffic Control Systems Ramp Metering	1 1	LS LS	Unit Price \$ 275,000 \$ 248,000	Item Cost \$ 275,000 \$ 248,000	
Lighting (Including Temp Lighting) Traffic Control Systems	1 1 1	LS LS	Unit Price \$ 275,000 \$ 248,000 \$ 400,000	Item Cost \$ 275,000 \$ 248,000 \$ 400,000 \$ 440,000	
Lighting (Including Temp Lighting) Traffic Control Systems Ramp Metering Traffic Operating Systems	1 1 1 1	LS LS LS	Unit Price \$ 275,000 \$ 248,000 \$ 400,000 \$ 440,000	Item Cost	
Lighting (Including Temp Lighting) Traffic Control Systems Ramp Metering Traffic Operating Systems Overhead Sign Structures (OSS)	1 1 1 1 1 12	LS LS LS EA	Unit Price \$ 275,000 \$ 248,000 \$ 400,000 \$ 440,000 \$ 100,000	Item Cost   \$ 275,000   \$ 248,000   \$ 400,000   \$ 440,000   \$ 1,200,000	
Lighting (Including Temp Lighting) Traffic Control Systems Ramp Metering Traffic Operating Systems Overhead Sign Structures (OSS) Remove Ex. OSS	1 1 1 1 1 12 12	LS LS LS EA	Unit Price \$ 275,000 \$ 248,000 \$ 400,000 \$ 440,000 \$ 100,000 \$ 5,000	Item Cost \$ 275,000 \$ 248,000 \$ 400,000 \$ 440,000 \$ 1,200,000 \$ 60,000	
Lighting (Including Temp Lighting) Traffic Control Systems Ramp Metering Traffic Operating Systems Overhead Sign Structures (OSS) Remove Ex. OSS Roadside Signs	1 1 1 1 1 12 12	LS LS LS EA EA	Unit Price \$ 275,000 \$ 248,000 \$ 400,000 \$ 100,000 \$ 5,000 \$ 35,000	Item Cost   \$ 275,000   \$ 248,000   \$ 400,000   \$ 440,000   \$ 1,200,000   \$ 60,000   \$ 35,000	

Subtotal Traffic Items \$ 3,470,000

District-County-Route	04-SM-101
PM	22.8/26.1
EA	04-3G860

Section 6 - Environmental Mitigation	Quantity	Unit	Unit Price	Item Cost	Se	ction Cost
Project Environmental Mitigation	1	LS	\$ 500,000	\$ 500,000		
				\$ -	_	
				\$ -	_	
				\$ -	_	
				\$ -	_	
				\$ -	_	
					_	
	9	Subtotal	Planting and Irr	igation Section	า \$	500,000

Section 7 - Roadside Management

Cootion / Roadside Management						
and Safety Section	Quantity	Unit	<b>Unit Price</b>	Ite	em Cost	Section Cost
Vegetation Control Treatments				\$	-	
Gore Area Pavement				\$	-	
Pavement beyond the Gore Area				\$	-	
Miscellaneous Paving				\$	-	
Erosion Control	1	LS	\$ 80,000	\$	80,000	
Slope Protection				\$	-	
Side Slopes/Embankment Slopes				\$	-	
Maintenance Vehicle Pullouts				\$	-	
Roadside Facilities				\$	-	
Relocating Roadside Facilities				\$	-	

Subtotal Traffic Items \$ 80,000

	District County Route	04 3101 101
	PM	22.8/26.1
	EA	04-3G860
I. ROADWAY ITEMS		
Section 8 - Minor Items		
\$ 20,186,661 x 10%	= \$ 2,018,666	
Subtotal (Sections	TOTAL MINOR ITEMS	
1 thru 7)		
,		
Section 9 - Roadway Mobilization		
\$ 22,205,327 x 10%	= \$ 2,220,533	
Subtotal (Sections	TOTAL ROADWAY	
1 thru 8)	MOBILIZATION	
Section 10 - Roadway Additions		
Supplemental Work		
\$ 22,205,327 x 10%	= \$ 2,220,533	
Subtotal (Sections		
1 thru 8)		
Contingencies		
\$ 22,205,327 x 25%	= \$ 5,551,332	
Subtotal (Sections	Ψ 0,001,002	
1 thru 8)		
i tiil <b>u</b> oj		
TOTAL ROADWAY ADDITION	NS \$ 7,771,864	
TOTAL ROADWAT ADDITION	νο ψ /,//1,004	
	TOTAL ROADWAY ITEMS	\$ 32,197,724
	IOTAL NOADWAT HEIVIS	(Subtotal Sect. 1 thru 10)
		(Subtotal Sect. 1 tillu 10)
Estimate Prepared By		
	925-396-7700	3/13/2015
Dat Nguyen Estimate Reviewed By	720-370-1700	3/ 13/ 2013
Luis Garcia	925-396-7700	3/13/2015
(Print Name)	Phone Number	Date
(Print Name)	PHONE NUMBER	Date

District-County-Route 04-SM-101

District-County-Route	04-SM-101
PM	22.8/26.1
EA	04-3G860

#### II. STRUCTURE ITEMS

Bridge Name	Structure (1) Retaining Wall No. 1	Structure (2) Retaining Wall No. 2	Structure (3) Retaining Wall No. 3	Structure (4) Retaining Wall No. 4
Structure Type Width (out to out) - (ft) Span Lengths - (ft)				
Total Area - (sf)		8,239	42,999	5,673
Footing Type (pile/spread) Cost Per Square Foot** Mobilization 10% Contingency 25%		\$ 110	\$ 120	\$ 110
Total Cost for Structure	\$ -	\$ 906,290	\$ 5,159,880	\$ 624,030
		SUBTOTAL S	STRUCTURE ITEMS	\$ 6,690,200
Railroad Related Costs				
		SUBTOTAL	RAILROAD ITEMS	\$ -

	Dist	District-County-Route		Л-101
		PM EA	22.8/	/26.1 G860
. STRUCTURE ITEMS				
Bridge Name	Structure (5) Retaining Wall No. 5	Structure (6) Retaining Wall No. 6	Structure (7) Retaining Wall No. 7	Structure (8) Retaining Wall No. 8
Structure Type				
Width (out to out) - (ft) Span Lengths - (ft) Total Area - (sf) Footing Type (pile/spread)	5,927	12,240	1,811	
Cost Per Square Foot**	\$ 110	\$ 110	\$ 110	
Total Cost for Structure	\$ 651,970	\$ 1,346,400	\$ 199,210	\$ -
		SUBTOTAL S	TRUCTURE ITEMS	\$ 2,197,580
Railroad Related Costs				
		SUBTOTAL	RAILROAD ITEMS	\$ -
		SUBTOTAL	RAILROADTIEMS	\$ -
Estimate prepared by	at Nguyen		925-396-7700	3/13/201!
	Name		Phone No.	

	Dist	strict-County-Route 04-SN PM 22.8/ EA 04-30		
I. STRUCTURE ITEMS				
Bridge Name Structure Type	Structure (9) Retaining Wall No. 9	Structure (10) Retaining Wall No. 10	Structure (11) Retaining Wall No. 11	Structure (12) Sierra Point OH Widening (Br. 35-0130)
Width (out to out) - (ft) Span Lengths - (ft) Total Area - (sf) Footing Type (pile/spread) Cost Per Square Foot**	9,890	3,712 \$ 110		\$ 400
Total Cost for Structure	\$ 1,087,900	\$ 408,320 SUBTOTAL S	\$ - TRUCTURE ITEMS	\$ 8,728,000 \$ 10,224,220
Railroad Related Costs				
		SUBTOTAL	RAILROAD ITEMS	\$ -
Estimate prepared by				
	at Nguyen		925-396-7700	3/13/2015
	Name		Phone No.	Date

	Distr	ict-County-Route PM EA	04-SM-101 22.8/26.1 04-3G860		
I. STRUCTURE ITEMS					
	Structure (13)	Structure (14)	Structure (13)	Structure (14)	
Bridge Name Structure Type	Sierra Pt Off-Ramp Separation Replacement (Br. 35-01315)			Remove Sierra Pt Off- Ramp Sep. (Br. 35-01315)	
Width (out to out) - (ft) Span Lengths - (ft) Total Area - (sf)	10,800			10,200	
Footing Type (pile/spread) Cost Per Square Foot**	\$ 300			\$ 16	
Total Cost for Structure	\$ 3,240,000	\$ -	\$ -	\$ 163,200	
Railroad Related Costs		SUBTOTAL S	STRUCTURE ITEMS	\$ 3,403,200	
		SUBTOTAL	RAILROAD ITEMS	\$ -	
		TOTAL S	STRUCTURE ITEMS	\$ 22,515,200	
Estimate prepared by	oat Nguyen		925-396-7700	3/13/2015	
	Name		Phone No.	Date	

Distr	ict-County-Route PM EA	22.8	И-101 /26.1 G860
I. RIGHT OF WAY ITEMS	CURRENT VALUE (Yr 2015)	ESCALATION RATE	ESCALATED VALUE (Yr 2017)
<ul> <li>A. Acquisition, including excess lands, damages to remainder(s) and Goodwill</li> </ul>	\$ -		\$ -
B. Utility Relocation (State Share)	\$ 75,000.00	3%	\$ 79,568.00
C. Relocation Assistance	\$ -		\$ -
D. Clearance/Demolition	\$ -		\$ -
E. Title and Escrow Fees	\$ -		\$ -
TOTAL RIGHT OF WAY ITEMS	\$ 75,000.00		\$ 79,568.00
F. Construction Contract Work			
Comments:			
Estimate Prepared By  Dat Nguyen		925-396-7700	3/13/2015

Print Name

Date

Phone No.

# ALTERNATIVE 2 ANALYSIS Project Estimate Cost Summary

	District-County-Route	۶	04-SM-101
	PM	1	22.8/26.1
	EA	١	04-3G860
	Project IE	)	04 1400 0256
PROJECT DESCRIPTION:			
Limits Oyster Point Boulevard to San Franc	isco County Line		
	ne from Oyster Point Boulevard interch andard inside and outside shoulders an		
Alternative 2			
SUMMARY OF PROJ	ECT COST ESTIMATE		
TOTAL ROADWAY ITEMS		\$	44,305,000
TOTAL STRUCTURE ITEMS		\$	31,741,000
	SUBTOTAL CONSTRUCTION COSTS	\$	76,046,000
TOTAL RIGHT OF WAY ITEMS (Curre	nt Value)	\$	75,000.00
TOTAL PROJEC	T CAPITAL OUTLAY COSTS	\$	76,121,000
Reviewed by District Program Manager			
	(Signature)		Date
Approved by Project Manager	(Signature)		Date
Phone No.			

I. ROADWAY ITEMS		District	-County-Route PM EA	22.8	M-101 /26.1 G860
Section 1 Earthwork Roadway Excavation Imported Borrow Clearing & Grubbing Develop Water Supply	Quantity 63,700 - 1 1	Unit CY CY LS LS	Unit Price  \$ 30  \$ -  \$ 150,000  \$ 150,000	Item Cost   \$ 1,911,000   \$ -   \$ 150,000   \$ 150,000	Section Cost
			Subt	otal Earthwork	\$ 2,211,000
Section 2 - Pavement Structural Section* Pavement	Quantity 996,027	Unit SF	Unit Price \$ 10	Item Cost \$ 9,960,270	Section Cost
		Subtota	al Pavement Str	uctural Section	\$ 9,960,270
Section 3 - Drainage Project Drainage	Quantity 1	Unit LS	Unit Price \$ 3,984,100	\$ 3,984,100	Section Cost
			Su	itotal Drainage	\$ 3,984,100

\* See Typicals for Pavement Structural Structural Section

District-County-Route	04-SM-101
PM	22.8/26.1
EA	04-3G860

Section 4 - Specialty Items	Quantity	Unit	Unit Price	Item Cost	Section Cost
Retaining Walls	See Structur	e Items		\$ -	
Noise Barrier	0	LF	\$ 600	\$ -	
Concrete Barrier (Type 60C)	26,608	LF	\$ 100	\$ 2,660,800	
Permanent Treatment BMP	1	LS	\$ 832,960	\$ 832,960	
Prepare SWPPP	1	LS	\$ 15,000	\$ 15,000	
Hazardous Waste Investigation					
and/or Mitigation Work	1	LS	\$ 221,100	\$ 221,100	
Water Pollution Control	1	LS	\$ 832,960	\$ 832,960	
Environmental Mitigation	1	LS	\$ 442,200	\$ 442,200	
Resident Engineer Office Space	1	LS	\$ 150,000	\$ 150,000	
Highway Planting & Irrigation	1	LS	\$ 2,000,000	\$ 2,000,000	
Aesthetic/Architectureal Treatment	1	LS	\$ 245,000	\$ 245,000	
			Subtotal	Specialty Items	\$ 7,400,020
Section 5 - Traffic Items	Quantity	Unit	Unit Price	Item Cost	Section Cost
Lighting (Including Temp Lighting)	1	LS	\$ 275,000	\$ 275,000	30001011 0030
Traffic Control Systems	1	LS	\$ 350,000	\$ 350,000	
Ramp Metering	1	LS	\$ 400,000	\$ 400,000	
Traffic Operating Systems	1	LS	\$ 440,000	\$ 440,000	
Overhead Sign Structures (OSS)	12	EA	\$ 100,000	\$ 1,200,000	
Remove Ex. OSS	12	EA	\$ 5,000	\$ 60,000	
Roadside Signs	1	LS	\$ 35,000	\$ 35,000	
Signing and Striping	1	LS	\$ 260,000	\$ 260,000	
Transportation Management Plan	1	LS	\$ 572,000	\$ 572,000	
1					

Subtotal Traffic Items \$ 3,592,000

District-County-Route	04-SM-101
PM	22.8/26.1
EA	04-3G860

Section 6 - Environmental Mitigation	Quantity	Unit	<b>Unit Price</b>	It	em Cost	Section Cost
Project Environmental Mitigation	1	LS	\$ 500,000	\$	500,000	
				\$	-	
				\$	-	
				\$	-	
				\$	-	
				\$	-	

Subtotal Planting and Irrigation Section \$ 500,000

Section	7 - Ro	adside Management

occion / Moddordo Managomone						
and Safety Section	Quantity	Unit	Unit Price	It	em Cost	Section Cost
Vegetation Control Treatments				\$	-	
Gore Area Pavement				\$	-	
Pavement beyond the Gore Area				\$	-	
Miscellaneous Paving				\$	-	
Erosion Control	1	LS	\$ 130,000	\$	130,000	
Slope Protection				\$	-	
Side Slopes/Embankment Slopes				\$	-	
Maintenance Vehicle Pullouts				\$	-	
Roadside Facilities				\$	-	
Relocating Roadside Facilities				\$	-	

Subtotal Traffic Items \$ 130,000

District-County-Route			
EA		District-County-Route	04-SM-101
Section 8 - Minor Items			
Section 8 - Minor Items		ĖA	<u>U4-3G80U</u>
Subtotal   (Sections 1 thru 7)	I. ROADWAY ITEMS		
Subtotal   (Sections 1 thru 7)   TOTAL MINOR ITEMS	Section 8 - Minor Items		
Subtotal   (Sections 1 thru 7)   TOTAL MINOR ITEMS	ф 27.777.200 и 100/	¢ 277770	
Section 10 - Roadway Additions	Subtotal (Sections		
Subtotal   (Sections 1 thru 8)	Section 9 - Roadway Mobilization		
Supplemental Work   \$ 30,555,129   X 10%   = \$ 3,055,513     Subtotal   (Sections 1 thru 8)     Contingencies   \$ 30,555,129   X 25%   = \$ 7,638,782     Subtotal   (Sections 1 thru 8)     TOTAL ROADWAY ADDITIONS   \$ 10,694,295     TOTAL ROADWAY ITEMS   \$ 44,304,937     (Subtotal Sect. 1 thru 10)     Estimate Prepared By	Subtotal (Sections	TOTAL ROADWAY	
\$ 30,555,129 x 25% = \$ 7,638,782 Subtotal (Sections 1 thru 8)  TOTAL ROADWAY ADDITIONS	Supplemental Work  \$ 30,555,129 x 10%  Subtotal (Sections	= \$ 3,055,513	
TOTAL ROADWAY ITEMS \$ 44,304,937  (Subtotal Sect. 1 thru 10)  Estimate Prepared By  Dat Nguyen 925-396-7700 3/13/2015  Estimate Reviewed By Luis Garcia 925-396-7700 3/13/2015	\$ 30,555,129 x 25% Subtotal (Sections	= \$ 7,638,782	
Estimate Prepared By  Dat Nguyen 925-396-7700 3/13/2015  Estimate Reviewed By  Luis Garcia 925-396-7700 3/13/2015	TOTAL ROADWAY ADDITION	IS \$ 10,694,295	
Dat Nguyen       925-396-7700       3/13/2015         Estimate Reviewed By       Luis Garcia       925-396-7700       3/13/2015		TOTAL ROADWAY ITEMS	
Estimate Reviewed By Luis Garcia 925-396-7700 3/13/2015	Estimate Prepared By		
Luis Garcia         925-396-7700         3/13/2015		925-396-7700	3/13/2015
		925-396-7700	3/13/2015

04-SM-101
22.8/26.1
04-3G860

#### II. STRUCTURE ITEMS

Bridge Name	Structure (1) Retaining Wall No. 1	Structure (2) Retaining Wall No. 2	Structure (3) Retaining Wall No. 3	Structure (4) Retaining Wall No. 4
Structure Type Width (out to out) - (ft) Span Lengths - (ft)				
Total Area - (sf)		21,034	43,659	7,045
Footing Type (pile/spread) Cost Per Square Foot** Mobilization 10% Contingency 25%		\$ 110	\$ 120	\$ 110
Total Cost for Structure	\$ -	\$ 2,313,740	\$ 5,239,080	\$ 774,950
		SUBTOTAL S	TRUCTURE ITEMS	\$ 8,327,770
Railroad Related Costs				
		SUBTOTAL	RAILROAD ITEMS	\$ -

DISti	rict-County-Route	04-SN	
	PM EA		/26.1 G860
tructure (5)	Structure (6)	Structure (7)	Structure (8)
aining Wall No. 5	Retaining Wall No. 6	nining Wall Retaining Wall	
6,753	14,223	4,010	8,535
110	\$ 110 \$ 110		\$ 110
742,830	\$ 1,564,530	\$ 441,100	\$ 938,850
	SUBTOTAL S	TRUCTURE ITEMS	\$ 3,687,310
	SUBTOTAL	RAILROAD ITEMS	\$ -
	SUBTUTAL	RAILROAD ITEIVIS	<b>\$</b> -
		925-396-7700	3/13/2015 Date
	yen		

	Dist	rict-County-Route PM EA	04-SM-101 22.8/26.1 04-3G860	
I. STRUCTURE ITEMS				
Bridge Name Structure Type	Structure (9) Retaining Wall No. 9	Structure (10) Retaining Wall No. 10	Structure (11) Retaining Wall No. 11	Structure (12) Sierra Point OH Widening (Br. 35-0130)
Width (out to out) - (ft) Span Lengths - (ft) Total Area - (sf) Footing Type (pile/spread) Cost Per Square Foot**	9,890	3,835		\$ 400
Total Cost for Structure	\$ 1,087,900	\$ 421,850 \$ - SUBTOTAL STRUCTURE ITEMS		\$ 13,960,000 \$ 15,469,750
Railroad Related Costs				
		SUBTOTAL	RAILROAD ITEMS	\$ -
Estimate prepared by				
	at Nguyen		925-396-7700	3/13/2015
	Name		Phone No.	Date

	Distr	rict-County-Route PM EA	04-SM-101 22.8/26.1 04-3G860	
I. STRUCTURE ITEMS				
	Structure (13)	Structure (14)	Structure (13)	Structure (14)
Bridge Name Structure Type	Sierra Pt Off-Ramp Separation Replacement (Br. 35-01315)			Remove Sierra Pt Off- Ramp Sep. (Br. 35-01315)
Width (out to out) - (ft) Span Lengths - (ft) Total Area - (sf)	13,200			10,200
Footing Type (pile/spread) Cost Per Square Foot**	\$ 310			\$ 16
Total Cost for Structure	\$ 4,092,000	\$ -	\$ -	\$ 163,200
p		SUBTOTAL S	STRUCTURE ITEMS	\$ 4,255,200
Railroad Related Costs				
		SUBTOTAL	RAILROAD ITEMS	\$ -
		TOTALS	STRUCTURE ITEMS	\$ 31,740,030
Estimate prepared by	oat Nguyen		925-396-7700	3/13/2015
	Name	_	Phone No.	Date

	District-County-Route PM EA	04-SM-101 22.8/26.1 04-3G860		
I. RIGHT OF WAY ITEMS	CURRENT VALUE (Yr 2015)	ESCALATION RATE	ESCALATED VALUE (Yr 2017)	
A. Acquisition, including excess lands, damages to remainder(s) and Goodwill	\$ -		\$ -	
B. Utility Relocation (State Share)	\$ 75,000.00	3%	\$ 79,568.00	
C. Relocation Assistance	\$ -		\$ -	
D. Clearance/Demolition	\$ -		\$ -	
E. Title and Escrow Fees	\$ -		\$ -	
TOTAL RIGHT OF WAY ITEN	VIS \$ 75,000.00		\$ 79,568.00	
F. Construction Contract Work				
Comments:				
Estimate Prepared By  Dat Nguyen		925-396-7700	3/13/201!	
Print Name	_	Phone No.	Date	

# ALTERNATIVE 3 ANALYSIS Project Estimate Cost Summary

	District-County-Route	,	04-SM-101
	1	22.8/26.1	
	EA	\	04-3G860
	Project ID	)	04 1400 0256
PROJECT DESCRIPTION:	•		
Limits Oyster Point Boulevard to San Franc	sisco County Line		
Proposed Improvement (Scope) Widen NR & SR 101 with auxiliary Is	ne from Oyster Point Boulevard interch	ange to	n
	andard inside and outside shoulders and		
	Sierra Point Parkway off-ramp and ram		
over US 101 to Bayshore Boulevard			
Alternative 3			
SUMMARY OF PRO	ECT COST ESTIMATE		
TOTAL ROADWAY ITEMS		\$	45,344,000
TOTAL STRUCTURE ITEMS		\$	46,668,000
	SUBTOTAL CONSTRUCTION COSTS	\$	92,012,000
TOTAL RIGHT OF WAY ITEMS (Curre	nt Value)	\$	2,846,000.00
TOTAL PROJEC	T CAPITAL OUTLAY COSTS	\$	94,858,000
Reviewed by District Program Manager			
_	(Signature)		Date
Approved by Project Manager			
_	(Signature)		Date
Phone No.			

I. ROADWAY ITEMS		PM 22.8.			M-101 3/26.1 3G860	
Section 1 Earthwork Roadway Excavation Imported Borrow Clearing & Grubbing Develop Water Supply	Quantity 65,875 - 1 1	Unit CY CY LS LS	Unit Price  \$ 30  \$ -  \$ 150,000  \$ 150,000	Item Cost   \$ 1,976,250   \$ -   \$ 150,000   \$ 150,000	Section Cost	
			Subt	otal Earthwork	\$ 2,276,250	
Section 2 - Pavement  Structural Section*  Pavement	t Quantity 1,032,411	Unit SF	Unit Price \$ 10	Item Cost	Section Cost	
		Subtota	al Pavement Stri	uctural Section	\$ 10,324,110	
Section 3 - Drainage Project Drainage	Quantity 1	Unit LS	Unit Price \$ 4,129,600	Item Cost \$ 4,129,600	Section Cost	

Sutotal Drainage \$ 4,129,600

<sup>\*</sup> See Typicals for Pavement Structural Structural Section

District-County-Route	04-SM-101		
PM	22.8/26.1		
EA	04-3G860		

Section 4 - Specialty Items	Quantity	Unit	Unit Price	Item Cost	Section Cost
Retaining Walls	See Structur	re Items		\$ -	
Noise Barrier	0	LF	\$ 600	\$ -	
Concrete Barrier (Type 60C)	26,586	LF	\$ 100	\$ 2,658,600	
Permanent Treament BMPs	1	LS	\$ 852,480	\$ 852,480	
Prepare SWPPP	1	LS	\$ 15,000	\$ 15,000	
Hazardous Waste Investigation					
and/or Mitigation Work	1	LS	\$ 227,625	\$ 227,625	
Water Pollution Control	1	LS	\$ 852,480	\$ 852,480	
Environmental Mitigation	1	LS	\$ 455,250	\$ 455,250	
Resident Engineer Office Space	1	LS	\$ 150,000	\$ 150,000	
Highway Planting & Irrigation	1	LS	\$ 2,000,000	\$ 2,000,000	
Aesthetic/Architectureal Treatment	1	LS	\$ 245,000	\$ 265,000	
			Subtotal	Specialty Items	\$ 7,476,435
Section 5 - Traffic Items	Quantity	Unit	Subtotal Unit Price	Specialty Items  Item Cost	\$ 7,476,435 Section Cost
	Quantity 1	Unit LS		. 3	
Section 5 - Traffic Items Lighting (Including Temp Lighting) Traffic Control Systems	Quantity 1 1		Unit Price \$ 275,000	Item Cost \$ 275,000	
Lighting (Including Temp Lighting)	1	LS	Unit Price \$ 275,000	Item Cost \$ 275,000	
Lighting (Including Temp Lighting) Traffic Control Systems	1	LS LS	Unit Price \$ 275,000 \$ 350,000	Item Cost \$ 275,000 \$ 350,000	
Lighting (Including Temp Lighting) Traffic Control Systems Ramp Metering	1 1 1	LS LS	Unit Price \$ 275,000 \$ 350,000 \$ 400,000	Item Cost   \$ 275,000   \$ 350,000   \$ 400,000	
Lighting (Including Temp Lighting) Traffic Control Systems Ramp Metering Traffic Operating Systems	1 1 1 1	LS LS LS	Unit Price \$ 275,000 \$ 350,000 \$ 400,000 \$ 440,000	Item Cost   \$ 275,000   \$ 350,000   \$ 400,000   \$ 440,000	
Lighting (Including Temp Lighting) Traffic Control Systems Ramp Metering Traffic Operating Systems Overhead Sign Structures (OSS)	1 1 1 1 1 12	LS LS LS EA	Unit Price \$ 275,000 \$ 350,000 \$ 400,000 \$ 440,000 \$ 100,000	Item Cost   \$ 275,000   \$ 350,000   \$ 400,000   \$ 440,000   \$ 1,200,000	
Lighting (Including Temp Lighting) Traffic Control Systems Ramp Metering Traffic Operating Systems Overhead Sign Structures (OSS) Remove Ex. OSS	1 1 1 1 1 12 12	LS LS LS EA	Unit Price \$ 275,000 \$ 350,000 \$ 400,000 \$ 440,000 \$ 100,000 \$ 5,000	Item Cost   \$ 275,000   \$ 350,000   \$ 400,000   \$ 440,000   \$ 1,200,000   \$ 60,000	
Lighting (Including Temp Lighting) Traffic Control Systems Ramp Metering Traffic Operating Systems Overhead Sign Structures (OSS) Remove Ex. OSS Roadside Signs	1 1 1 1 1 12 12 12	LS LS LS EA EA	Unit Price \$ 275,000 \$ 350,000 \$ 400,000 \$ 440,000 \$ 100,000 \$ 5,000 \$ 35,000	Item Cost \$ 275,000 \$ 350,000 \$ 400,000 \$ 1,200,000 \$ 60,000 \$ 35,000	

Subtotal Traffic Items \$ 3,592,000

District-County-Route	04-SM-101
PM	22.8/26.1
EA	04-3G860

Section 6 - Environmental Mitigation	Quantity	Unit	Unit Price		Unit Price		Unit Price Item Cost		Section Cost
Project Environmental Mitigation	1	LS	\$	500,000	\$	500,000			
					\$	-			
					\$	-			
					\$	-			
					\$	-			
					\$	-			

Subtotal Planting and Irrigation Section \$ 500,000

Section 7 - Roadside Management
10.5 1 0 11

occion / Roadsido Managomont						
and Safety Section	Quantity	Unit	<b>Unit Price</b>	Item Cost		Section Cost
Vegetation Control Treatments				\$	-	
Gore Area Pavement				\$	-	
Pavement beyond the Gore Area				\$	-	
Miscellaneous Paving			<del></del>	\$	-	
Erosion Control	1	LS	\$ 130,000	\$	130,000	
Slope Protection				\$	-	
Side Slopes/Embankment Slopes				\$	-	
Maintenance Vehicle Pullouts				\$	-	
Roadside Facilities			<del></del>	\$	-	
Relocating Roadside Facilities				\$	-	
=						

Subtotal Traffic Items \$ 130,000

		District-County-Route PM EA	04-SM-101 22.8/26.1 04-3G860		
I. ROADWAY ITEMS					
Section 8 - Minor Items					
\$ 28,428,395 x 1 Subtotal (Sections 1 thru 7)	10%	= \$ 2,842,840 TOTAL MINOR ITEMS			
Section 9 - Roadway Mobilization					
\$ 31,271,235 x 1 Subtotal (Sections 1 thru 8)	10%	= \$ 3,127,123 TOTAL ROADWAY MOBILIZATION			
Section 10 - Roadway Additions  Supplemental Work					
\$ 31,271,235 x 1 Subtotal (Sections 1 thru 8)	10%	= \$ 3,127,123			
Contingencies  \$ 31,271,235 x 2 Subtotal (Sections 1 thru 8)	25%	= \$ 7,817,809			
TOTAL ROADWAY ADD	ITIONS	\$ 10,944,932			
		TOTAL ROADWAY ITEMS	\$ 45,343,290 (Subtotal Sect. 1 thru 10)		
Estimate Prepared By					
Dat Nguyen		925-396-7700	3/13/2015		
Estimate Reviewed By Luis Garcia		925-396-7700	3/13/2015		
(Print Name)		Phone Number	Date		

District-County-Route	04-SM-101
PM	22.8/26.1
EA	04-3G860

#### II. STRUCTURE ITEMS

Bridge Name	Structure (1) Retaining Wall No. 1	Structure (2) aining Wall No. 2	Structure (3) Retaining Wall No. 3		Structure (4) Retaining Wall No. 4	
Structure Type Width (out to out) - (ft) Span Lengths - (ft) Total Area - (sf)		 21,034	_	43,659		7,045
Footing Type (pile/spread) Cost Per Square Foot** Mobilization 10% Contingency 25%		\$ 110	\$	120	\$	110
Total Cost for Structure	\$ -	\$ 2,313,740 SUBTOTAL S	\$ TRUC	5,239,080 TURE ITEMS	\$ \$	774,950 8,327,770
Railroad Related Costs						
		SUBTOTAL	RAIL	ROAD ITEMS	\$	

	Dist	rict-County-Route PM	04-SN 22.8		
		EA	04-3	G860	
I. STRUCTURE ITEMS					
	Structure (5)	Structure (6)	Structure (7)	Structure (8)	
Bridge Name	Retaining Wall No. 5	Retaining Wall No. 6	Retaining Wall No. 7	Retaining Wall No. 8	
Structure Type Width (out to out) - (ft)					
Span Lengths - (ft) Total Area - (sf)	6,753	6,933			
Footing Type (pile/spread)					
Cost Per Square Foot**	\$ 110	\$ 110			
Total Cost for Structure	\$ 742,830	\$ 762,630	\$ -	\$ -	
		SUBTOTAL S	TRUCTURE ITEMS	\$ 1,505,460	
Railroad Related Costs					
		SUBTOTAL	RAILROAD ITEMS	\$ -	
Estimate prepared by	at Nguyen		925-396-7700	3/13/201	
	Name		Phone No.	Date	

	Dist	rict-County-Route PM EA	22.8	Л-101 /26.1 G860
I. STRUCTURE ITEMS				
Bridge Name Structure Type	Structure (9) Retaining Wall No. 9	Structure (10) Retaining Wall No. 10	Structure (11) Retaining Wall No. 11	Structure (12) Sierra Point OH Widening (Br. 35-0130)
Width (out to out) - (ft) Span Lengths - (ft) Total Area - (sf) Footing Type (pile/spread) Cost Per Square Foot**	\$ 110	3,825	-	\$ 400
Total Cost for Structure	\$ 1,087,900	\$ 420,750 SUBTOTAL S	\$ - TRUCTURE ITEMS	\$ 13,960,000 \$ 15,468,650
Railroad Related Costs				
		SUBTOTAL	RAILROAD ITEMS	\$ -
Estimate prepared by	at Nguyen		925-396-7700	3/13/2015
	Name		Phone No.	Date

	Dist	rict-County-Route PM EA	22.8	M-101 8/26.1 8G860
I. STRUCTURE ITEMS				
	Structure (13)	Structure (14)	Structure (13)	Structure (14)
Bridge Name	Sierra Pt Off-Ramp Separation Replacement (Br. 35-01315)			Remove Sierra Pt Off- Ramp Sep. (Br. 35-01315)
Structure Type Width (out to out) - (ft) Span Lengths - (ft) Total Area - (sf)	34,000	28,350	25,000	10,200
Footing Type (pile/spread) Cost Per Square Foot**	\$ 320	\$ 350	\$ 16	\$ 16
Total Cost for Structure	\$ 10,880,000	\$ 9,922,500	\$ 400,000	\$ 163,200
Railroad Related Costs		SUBTOTAL S	STRUCTURE ITEMS	\$ 21,365,700
		SUBTOTAL	RAILROAD ITEMS	\$ -
		TOTAL S	STRUCTURE ITEMS	\$ 46,667,580
Estimate prepared by				
D	at Nguyen Name		925-396-7700 Phone No.	3/13/2015 Date

C	District-County-Route PM EA	22.8	SM-101 8/26.1 3G860		
III. RIGHT OF WAY ITEMS	CURRENT VALUE (Yr 2015)	ESCALATION RATE	ESCALATED VALUE (Yr 2017)		
A. Acquisition, including excess lands, damages to remainder(s) and Goodwill	\$ 2,771,000	3%	\$ 2,939,753		
B. Utility Relocation (State Share)	\$ 75,000.00	3%	\$ 79,568		
C. Relocation Assistance	\$ -		\$ -		
D. Clearance/Demolition	\$ -		\$ -		
E. Title and Escrow Fees	\$ -		\$ -		
TOTAL RIGHT OF WAY ITEM	MS \$ 2,846,000		\$ 3,019,321		
ANTICIPATED D	ATE OF RIGHT OF WAY	CERTIFICATION	Sept 2020		
F. Construction Contract Work					

Estimate Prepared By

Dat Nguyen

Print Name

Dat Nguyen

Phone No.

Date

Comments:

# ALTERNATIVE 4 ANALYSIS Project Estimate Cost Summary

	District-County-Route	,	04-SM-101
	PM	1	22.8/26.1
	EA	١	04-3G860
	Project IC	)	04 1400 0256
PROJECT DESCRIPTION:			
Limits Oyster Point Boulevard to San Fra	ancisco County Line		
Proposed Improvement (Scope) Widen NB & SB 101 with auxiliary Candlestick Point interchange w/ Eliminate the northbound Baysho Alternative 4	r lane from Oyster Point Boulevard interch standard inside and outside shoulders and ore Boulevard off-ramp	ange to	o widths.
SUMMARY OF PR	OJECT COST ESTIMATE		
TOTAL ROADWAY ITEMS		\$	42,543,000
TOTAL STRUCTURE ITEMS		\$	25,643,000
	SUBTOTAL CONSTRUCTION COSTS	\$	68,186,000
TOTAL RIGHT OF WAY ITEMS (Cur	rent Value)	\$	75,000.00
TOTAL PROJ	ECT CAPITAL OUTLAY COSTS	\$	68,261,000
Reviewed by District Program Manager	(Signature)		Date
Approved by Project Manager	(Signature)		Date
Phone No.			

I. ROADWAY ITEMS		District	-County-Route PM EA	M-101 /26.1 G860	
Section 1 Earthwork  Roadway Excavation Imported Borrow Clearing & Grubbing Develop Water Supply	Quantity 60,071 - 1 1	Unit CY CY LS LS	Unit Price  \$ 30  \$ -  \$ 150,000  \$ 150,000	Item Cost \$ 1,802,130 \$ - \$ 150,000 \$ 150,000	Section Cost
			Subt	otal Earthwork	\$ 2,102,130
Section 2 - Pavement Structural Section* Pavement	Quantity 935,681	Unit SF	Unit Price \$ 10	Item Cost \$ 9,356,810	Section Cost
Carting 2. During an	Over tile.		al Pavement Stri		\$ 9,356,810
Section 3 - Drainage Project Drainage	Quantity 1	Unit LS	Unit Price \$ 3,742,700	\$ 3,742,700	Section Cost

Sutotal Drainage \$ 3,742,700

<sup>\*</sup> See Typicals for Pavement Structural Structural Section

District-County-Route	04-SM-101
PM	22.8/26.1
EA	04-3G860

## I. ROADWAY ITEMS

Section 4 - Specialty Items	Quantity	Unit	Unit Price	Item Cost	Section Cost
Retaining Walls	See Structur	e Items		\$ -	
Noise Barrier	0	LF	\$ 600	\$ -	
Concrete Barrier (Type 60C)	26,586	LF	\$ 100	\$ 2,658,600	
Permanent Treatment BMPs	1	LS	\$ 799,840	\$ 799,840	
Prepare SWPPP	1	LS	\$ 15,000	\$ 15,000	
Hazardous Waste Investigation					
and/or Mitigation Work	1	LS	\$ 210,213	\$ 210,213	
Water Pollution Control	1	LS	\$ 799,840	\$ 799,840	
Environmental Mitigation	1	LS	\$ 420,426	\$ 420,426	
Resident Engineer Office Space	1	LS	\$ 150,000	\$ 150,000	
Highway Planting & Irrigation	1	LS	\$ 2,000,000	\$ 2,000,000	
Aesthetic/Architectureal Treatment	1	LS	\$ 245,000	\$ 245,000	
			Subtotal	Specialty Items	\$ 7,298,919
			odbrotan	opeolarly rearris	ψ // <u>L</u> /σ////
Section 5 - Traffic Items	Quantity	Unit	Unit Price	Item Cost	Section Cost
Lighting (Including Temp Lighting)	1	LS	\$ 275,000	\$ 275,000	
Traffic Control Systems	1	LS	\$ 300,000	\$ 300,000	
Ramp Metering	1	LS	\$ 400,000	\$ 400,000	
Traffic Operating Systems	1	LS	\$ 440,000	\$ 440,000	
Overhead Sign Structures (OSS)	12	EA	\$ 100,000	\$ 1,200,000	
Remove Ex. OSS	12	EA	\$ 5,000	\$ 60,000	
Roadside Signs	1	LS	\$ 35,000	\$ 35,000	
Signing and Striping	1	LS	\$ 260,000	\$ 260,000	
Transportation Management Plan	1	LS	\$ 572,000	\$ 572,000	

Subtotal Traffic Items \$ 3,542,000

District-County-Route	04-SM-101
PM	22.8/26.1
EA	04-3G860

#### I. ROADWAY ITEMS

Section 6 - Environmental Mitigation	Quantity	Unit	<b>Unit Price</b>	Item Cost		Section Cost
Project Environmental Mitigation	1	LS	\$ 500,000	\$	500,000	
				\$	-	
				\$	-	
				\$	-	
				\$	-	
				\$	-	

Subtotal Planting and Irrigation Section \$ 500,000

Section 7 - Roadside Management
106.0

trought in ingenient						
and Safety Section	Quantity	Unit	<b>Unit Price</b>	lt	tem Cost	Section Cost
Vegetation Control Treatments				\$	-	
Gore Area Pavement		·		\$	-	
Pavement beyond the Gore Area				\$	-	
Miscellaneous Paving				\$	-	
Erosion Control	1	LS	\$ 130,000	\$	130,000	
Slope Protection				\$	-	
Side Slopes/Embankment Slopes				\$	-	
Maintenance Vehicle Pullouts				\$	-	
Roadside Facilities				\$	-	
Relocating Roadside Facilities				\$	-	

Subtotal Traffic Items \$ 130,000

	District-County-Route	04-SM-101
	PM	22.8/26.1
	EA	04-3G860
I. ROADWAY ITEMS		
Section 8 - Minor Items		
\$ 26,672,559 x 10% Subtotal (Sections 1 thru 7)	= \$ 2,667,256 TOTAL MINOR ITEMS	
Section 9 - Roadway Mobilization		
\$ 29,339,815 x 10% Subtotal (Sections 1 thru 8)	= \$ 2,933,981 TOTAL ROADWAY MOBILIZATION	
Section 10 - Roadway Additions  Supplemental Work  \$ 29,339,815 x 10%  Subtotal (Sections)	= \$ 2,933,981	
1 thru 8)  Contingencies  \$ 29,339,815 x 25%  Subtotal (Sections  1 thru 8)	= \$ 7,334,954	
TOTAL ROADWAY ADDITION	S \$ 10,268,935	
	TOTAL ROADWAY ITEMS	\$ 42,542,732 (Subtotal Sect. 1 thru 10)
Estimate Prepared By Dat Nguyen	925-396-7700	3/13/2015
Estimate Reviewed By	725-370-1100	3/13/2013
Luis Garcia	925-396-7700	3/13/2015
(Print Name)	Phone Number	Date

04-SM-101
22.8/26.1
04-3G860

## II. STRUCTURE ITEMS

Bridge Name	Structure (1) Retaining Wall No. 1	Structure (2) Retaining Wall No. 2	Structure (3) Retaining Wall No. 3	Structure (4) Retaining Wall No. 4
Structure Type Width (out to out) - (ft) Span Lengths - (ft)				
Total Area - (sf)		21,034	43,659	7,045
Footing Type (pile/spread) Cost Per Square Foot** Mobilization 10% Contingency 25%		\$ 110	\$ 120	\$ 110
Total Cost for Structure	\$ -	\$ 2,313,740	\$ 5,239,080	\$ 774,950
		SUBTOTAL S	STRUCTURE ITEMS	\$ 8,327,770
Railroad Related Costs				
		SUBTOTAL	. RAILROAD ITEMS	\$ -

	Dist	rict-County-Route PM	22.8	04-SM-101 22.8/26.1		
		EA	04-30	G860		
I. STRUCTURE ITEMS						
	Structure (5)	Structure (6)	Structure (7)	Structure (8)		
Bridge Name	Retaining Wall No. 5	Retaining Wall No. 6	Retaining Wall No. 7	Retaining Wall No. 8		
Structure Type Width (out to out) - (ft)						
Span Lengths - (ft) Total Area - (sf)	6,753			8,535		
Footing Type (pile/spread) Cost Per Square Foot**	\$ 110			\$ 110		
Total Cost for Structure	\$ 742,830	\$ -	\$ -	\$ 938,850		
		SUBTOTAL S	TRUCTURE ITEMS	\$ 1,681,680		
Railroad Related Costs						
		SUBTOTAL	RAILROAD ITEMS	\$ -		
Estimate prepared by	at Nguyen		925-396-7700	3/13/201		
	Name		Phone No.	Date		

	Dist	rict-County-Route PM EA	22.8	M-101 8/26.1 8G860	
I. STRUCTURE ITEMS					
Bridge Name Structure Type	Structure (9) Retaining Wall No. 9	Structure (10) Retaining Wall No. 10	Structure (11) Retaining Wall No. 11	Structure (12) Sierra Point OH Widening (Br. 35-0130)	
Width (out to out) - (ft) Span Lengths - (ft) Total Area - (sf) Footing Type (pile/spread) Cost Per Square Foot**	9,890	3,835		\$ 400	
Total Cost for Structure	\$ 1,087,900	\$ 421,850 SUBTOTAL S	\$ - TRUCTURE ITEMS	\$ 13,960,000 \$ 15,469,750	
Railroad Related Costs					
		SUBTOTAL	RAILROAD ITEMS	\$ -	
Estimate prepared by					
	at Nguyen		925-396-7700	3/13/2015	
	Name	<del></del>	Phone No.	Date	

	Distr	District-County-Route 04-SM PM 22.8/ EA 04-30		/26.1	
I. STRUCTURE ITEMS					
	Structure (13)	Structure (14)	Structure (13)	Structure (14)	
Bridge Name Structure Type	Sierra Pt Off-Ramp Separation Replacement (Br. 35-01315)			Remove Sierra Pt Off- Ramp Sep. (Br. 35-01315)	
Width (out to out) - (ft) Span Lengths - (ft) Total Area - (sf) Footing Type (pile/spread)				10,200	
Cost Per Square Foot**				\$ 16	
Total Cost for Structure	\$ -	\$ -	\$ -	\$ 163,200	
р		SUBTOTAL	STRUCTURE ITEMS	\$ 163,200	
Railroad Related Costs					
		SUBTOTAL	L RAILROAD ITEMS	\$ -	
		TOTAL	STRUCTURE ITEMS	\$ 25,642,400	
Estimate prepared by					
	Oat Nguyen		925-396-7700	3/13/2015	
	Name		Phone No.	Date	

Di	strict-County-Route PM		И-101 /26.1
	EA		G860
. RIGHT OF WAY ITEMS	CURRENT VALUE (Yr 2015)	ESCALATION RATE	ESCALATED VALUE (Yr 2017)
A. Acquisition, including excess lands, damages to remainder(s) and Goodwill	\$ -		\$ -
B. Utility Relocation (State Share)	\$ 75,000.00	3%	\$ 79,568.00
C. Relocation Assistance	\$ -		\$ -
D. Clearance/Demolition	\$ -		\$ -
E. Title and Escrow Fees	\$ -		\$ -
TOTAL RIGHT OF WAY ITEM	\$ 75,000.00		\$ 79,568.00
F. Construction Contract Work			
Comments:			
Estimate Prepared By  Dat Nguyen		925-396-7700	3/13/201

# Attachment D: Preliminary Environmental Analysis Report (PEAR)



## 1. Project Information

District	County	Route	PM	Project ID/EA			
04	SM	101	22.8 - 26.1	04 1400 0256/			
				EA 04-3G860			
Project Title:	Project Title:						
U.S. 101 Modifica	tions – Between Oy	ster Point Boulevard	I Interchange and the	e San Francisco			
County Line							
Project Manager Phone #							
Richelle Perez		(510) 286-4998	(510) 286-4998				
Project Engineer Phone #							
Natalina Bernardi, BKF Engineers (925) 396-7700							
Environmental Of	fice Chief/Manager	Phone #					
Stefan Galvez-Abadia			(510) 286-5506	(510) 286-5506			
PEAR Preparer Phone #							
John Hesler, David	d J. Powers & Assoc	ciates, Inc.	(408) 454-3424				

## 2. Project Description

#### **Purpose and Need**

The Project has the following specific purposes:

- Reduce delay and existing and future traffic congestion on Route 101
- Improve weaving operations at the ramps
- Enhance safety by improving traffic operations

U.S. 101 within the Project limits serves as a main commute corridor to and from San Mateo County, San Francisco, and the Bay Bridge. It is also considered a major commute route connecting San Francisco and Silicon Valley, as well as providing access to San Jose International Airport in the southern end of the corridor and San Francisco International Airport (SFO) in the northern end of the corridor. According to Caltrans' U.S. 101 South Corridor System Management Plan (CSMP), dated December 2010, U.S. 101 within the Project limits would deteriorate and operate with delay and congestion

with no improvements to corridor. This is based on the traffic forecast year 2030 with no improvements to the corridor. The CSMP has reported that the peak-period vehicle miles of travel on U.S. 101 between I-380 and the San Francisco County line is forecast to increase 115 percent in the AM peak period and 103 percent in the PM peak period by 2030. The expected increase in demand will result in an increase to the peak-period vehicle-hour of delay (VHD) on U.S. 101 within San Mateo County. The VHD is forecast to increase by 176 percent by the year 2030 compared to 2009 existing conditions without the project. The increase in VHD would deteriorate the overall US 101 traffic operations which would also worsen traffic safety. The forecasted congestion and delay are due to growth estimated in the area.

Per the CSMP, the delay and congestion would be exacerbated due to several future landuse developments located near or within the vicinity of the Project limits. These projects include (1) Mixed-Use Development Project for Candlestick Point and Hunters Point Shipyard, which was approved by the City of San Francisco voters in June 2008, would contribute approximately 10,500 residential units to the area, (2) Visitacion Valley/Schlage Lock Park, (3) Executive Park Residential Development, (4) Daly City/Cow Palace, and (5) Brisbane Baylands.

#### **Description of Work**

Four build alternatives that would address the purpose and need are being analyzed, as well as a No Build Alternative. All four build alternatives are described below:

**The No Build Alternative** – The No Build Alternative would maintain current facilities. Northbound and southbound U.S. 101 within the project limits would continue to have no auxiliary lane.

**Build Alternative 1** – This alternative proposes auxiliary lanes in both the northbound and southbound directions of U.S. 101 between the Candlestick Point interchange and Oyster Point Boulevard. Auxiliary lanes are proposed at the following locations:

- Northbound Sierra Point Parkway on-ramp to Candlestick Point off-ramp.
- Southbound Candlestick Point on-ramp to Sierra Point Parkway off-ramp.
- Southbound Sierra Point Parkway on-ramp to Oyster Point Boulevard off-ramp.

This alternative proposes reconstruction of a single lane northbound Bayshore Boulevard off-ramp and the Sierra Point Off-ramp Separation (Bridge No. 35-0131S), as well as widening of the Sierra Point Overhead (Bridge No. 35-0130). Six retaining walls will be required and the median barrier is proposed to be reconstructed throughout the project limits.

**Build Alternative 2** – This alternative proposes auxiliary lanes in both the northbound and southbound directions of U.S. 101 between Oyster Point Boulevard and the Candlestick Point interchange while providing standard inside and outside shoulders and lane widths. The following are the auxiliary lane locations:

- Dual auxiliary lanes Northbound Oyster Point Boulevard on-ramp to Bayshore Boulevard off-ramp
- Northbound Bayshore Boulevard off-ramp to Candlestick Point off-ramp
- Dual auxiliary lanes Southbound Candlestick Point on-ramp to Sierra Point Parkway off-ramp
- Southbound Sierra Point Parkway off-ramp to Oyster Point Boulevard East off-ramp

This alternative proposes to reconstruct the northbound Bayshore Boulevard off-ramp into a two lane off-ramp, reconstruct the Sierra Point Off-Ramp Separation (Bridge No. 35-0131S) into a two-lane structure that merges into a single-lane, and widen the Sierra Point Overhead (Bridge No. 35-0130). Eight retaining walls will be required and the median barrier is proposed to be reconstructed throughout the project limits. In addition, this alternative would require realigning the concrete channel that is part of the Colma Creek Watershed located north of U.S. 101.

**Build Alternative 3** – The design elements of this alternative are the same as Alternative 2 with the addition of the realignment of the northbound Sierra Point Parkway off-ramp and the northbound Bayshore Boulevard off-ramp. This alternative proposes to remove the northbound Bayshore Boulevard off-ramp and instead construct a collector road which serves both the Sierra Point Parkway off-ramp and a ramp connection over U.S. 101 to Bayshore Boulevard. The Sierra Point Off-ramp Overhead (Bridge No. 35-0130S) and the Sierra Point Off-ramp Separation (Bridge No. 35-0131S) will need to be reconstructed for these new ramp alignments. Six retaining walls will be required with this alternative.

**Build Alternative 4** – This alternative will be the same as Alternative 2 with the exception that it will completely eliminate the northbound Bayshore Boulevard off-ramp. The elimination of this off-ramp would eliminate the partial isolated interchange and improve the weaving distance between Oyster Point Boulevard and the Bayshore Boulevard off-ramp. By eliminating this ramp, access from northbound U.S. 101 to the City of Brisbane will be only be by the remaining interchanges to the north and south. Six retaining walls will be required with this alternative.

#### 3. Anticipated Environmental Approval

CEQA		NEPA		
<b>Environmental Determination</b>		•		
Statutory Exemption				
Categorical Exemption		Categorical Exclusion		
<b>Environmental Document</b>				
Initial Study or Focused Initial Study with proposed Negative Declaration (ND) or Mitigated ND	Routine Environmental Assessment with proposed Finding of No Significant Impact  Complex Environmental Assessment with proposed Finding of No Significant Impact			
Environmental Impact Report		Environmental Impact Statement		
CEQA Lead Agency (if determined):		Caltrans		
Estimated length of time (months) to denvironmental approval:	obtain	18-24 months		
Estimated person hours to complete id	lentifi	ed tasks:		

#### 4. Special Environmental Considerations

Due to the proximity of the project site to sensitive habitats and the anticipated impacts to waterways and wetlands, it is anticipated that each alternative would require Section 7 consultation with the U.S. Fish and Wildlife Service and the National Marine Fisheries Service pursuant to the Federal Endangered Species Act. Section 7 consultation can add between three months to one year to a project's PA/ED schedule depending on the extent of the impacts to special-status species as well as the workloads of agency staff.

All four build alternatives would require permits from the agencies listed under Section 6 of this PEAR. These permit processes typically require between 4-6 months after completion of CEQA and NEPA compliance, and are likely to result in the need to provide compensatory mitigation for impacts to riparian and aquatic habitat as well as saltwater marshland. Federal and state permitting agencies typically require that construction be limited to the dry season (April – October) to minimize potential impacts to aquatic habitat.

If construction occurs during the bird breeding season (February 1 to September 1), which is probable because work during the wet season is anticipated to be restricted by the regulatory permits, a qualified biologist must conduct pre-construction surveys for nesting birds no more than three days prior to ground disturbance. If a nesting bird or raptor is discovered, a construction buffer around the nest must be established in consultation with the California Department of Fish and Wildlife. A construction buffer could have major implications for the construction schedule due to potential wet season work restrictions and the narrow width of U.S. 101 within the project limits (i.e. a buffer on the east side of U.S. 101 could restrict work on the entire width of the corridor at that location).

Thus, with Section 7 consultation and the post-CEQA/NEPA permitting processes adding 7-18 months to the project schedule, as well as the potential for wet season construction restrictions, compensatory mitigation, and construction buffers during the bird nesting season, environmental considerations will play a key role in the overall feasibility, cost, and schedule for completion of the proposed project.

#### 5. Anticipated Environmental Commitments

Based on a review of the preliminary plans for each of the four build alternatives, each of the alternatives would require compensatory mitigation for impacts to regulated habitats. These include potential impacts to aquatic and riparian habitat, as well as to saltwater marsh.

#### 6. Permits and Approvals

All four build alternatives would require permits and approvals from the following agencies due to channel modifications, widening of structures over a waterway, and/or construction of a new off-ramp in a potential wetland:

- U.S. Army Corps of Engineers
- San Francisco Bay Conservation and Development Commission
- Regional Water Quality Control Board
- California Department of Fish & Wildlife
- U.S. Fish and Wildlife Service
- National Marine Fisheries Service

#### 7. Level of Effort: Risks and Assumptions

#### Risks

- Federal Endangered Species Act Section 7 consultation with U.S. Fish and Wildlife Service or National Marine Fisheries Service could lengthen the Project Approval/Environmental Document (PA/ED) phase schedule.
- Consultation with the California State Historic Preservation Office (SHPO) could have a similar effect.
- Impacts to wetland and/or riparian habitats could require costly habitat mitigation and maintenance.

#### **Assumptions**

- There will be no direct impacts to Section 4(f) resources, such as the Brisbane Lagoon Fisherman's Park, or any properties or structures found to be historic.
- None of the alternatives will require the addition of fill materials to the San Francisco Bay.

#### 8. PEAR Technical Summaries

8.1 Land Use: Alternatives 1, 2, and 4 would all be constructed within existing Caltrans and local rights-of-way; no private properties would be impacted. Temporary construction easements may be necessary for construction equipment or materials staging.

Alternative 3 would require reconstruction of the Sierra Point Parkway off-ramp to accommodate the diverging ramp of Bayshore Boulevard. The proposed alignment would require partial right-of-way acquisition from an existing hotel property located at 5000 Sierra Point Parkway (APN 007-163-030). The portions of land that would be needed are currently surface parking stalls, and would not necessitate business relocation. Since this area is an outer portion of a hotel parking lot and is adjacent to the existing freeway, partial right-of-way acquisition under this alternative would not physically divide a community.

A technical memo would be prepared to evaluate these impacts in accordance with the requirements of Executive Order 12898, *Environmental Justice*, which requires Federal agencies to address disproportionately high and adverse human health or environmental effects of their activities on minority populations and low-income populations.

None of the parcels affected by the proposed project are considered Section 4(f) resources. The build alternatives are not expected to have any permanent or temporary Section 4(f) impacts. However, due to the proximity of the project to both the Brisbane Lagoon Fisherman's Park and the San Francisco Bay Trail, a memorandum to file will be needed to evaluate potential Section 4(f) impacts. The memorandum will include but not be limited to an evaluation of access to Section 4(f) lands, equipment staging, visual effects to Section 4(f) lands, as well as any noise or other disturbances to people using Section 4(f) land.

- 8.2 Growth: U.S. 101 is located within an urban area of San Mateo County and modifications to it would not open additional areas to development or induce growth in the region. The reduction in delay and congestion will be analyzed in the IS/EA to see if it could affect growth.
- 8.3 Farmlands/Timberlands: There are no farmlands or timberlands in the vicinity of the project site. Therefore, no impacts or issues associated with these resources are anticipated.
- 8.4 Community Impacts: See 8.1, above. The project is the modification of an existing highway and is not expected to have a regional community impact. The elimination of the northbound U.S. 101 Bayshore Boulevard off-ramp under Alternative 4 would remove an access point to the City of Brisbane, however the City would still be accessible from the two adjacent interchanges to the north and south (U.S. 101/Sierra Point Parkway and U.S. 101/Oyster Point Boulevard, respectively). While the removal of this access point may incrementally add to the travel time for residents of the City, it is unlikely that this modification would cause a substantial impact to the local community due to the availability of other ingress/egress routes. However, removal of this access point could be controversial and could be opposed by some community members and/or the City of Brisbane.

Further study of the potential traffic impacts of the project will provide more detailed information about the effects of this alternative on travel times. A memorandum to file documenting these effects as well as public controversy about the project may be warranted.

8.5 Visual/Aesthetics: U.S. 101 in the project area has eight lanes (four lanes in each direction) and is not a designated scenic highway. The project would be located in an urbanized corridor of U.S. 101 that is generally surrounded by commercial offices and hotels, light industrial, and open space land uses (including the San

<sup>&</sup>lt;sup>1</sup> California Department of Transportation. *California Scenic Highway Mapping System*. Accessed September 30, 2014. Available at: <a href="http://www.dot.ca.gov/hq/LandArch/scenic\_highways/index.htm">http://www.dot.ca.gov/hq/LandArch/scenic\_highways/index.htm</a>

Francisco Bay). There are residential uses west of the northern and southern-most project limits.

The speed limit on U.S. 101 in the project area is 65 miles per hour. At this speed the highway is primarily utilitarian and the duration of views is not long enough for drivers and passengers to perceive the details of landscaping. However, there are extensive views of the San Francisco Bay from U.S. 101 north of Sierra Point Parkway and south of Harney Way. None of the alternatives would affect these views once construction is complete.

Views of U.S. 101 and the San Francisco Bay from the Little Hollywood neighborhood west of U.S. 101 at the San Francisco County line are obstructed by the landscape trees and foliage along the west side of U.S. 101, as well as the raised elevation of the highway above the grade of the neighborhood. There are views of the Bay available from Hester Avenue west of U.S. 101, however this street is over 1,500 feet north of the project limits and would not be compromised by project construction or by any of the alternatives once completed.

There are no viewer groups west of Bayshore Boulevard and U.S. 101 that would be affected by modifications to the Bayshore Boulevard over-crossing or the construction of a new northbound Sierra Point Parkway off-ramp. Views of the Bay from the Ridge Trail west of U.S. 101 at this location would not be affected by any of the alternatives.

Since the alternatives would involve extensive vegetation removal and construction of multiple retaining walls, all of which would occur within the jurisdiction of the San Francisco Bay Conservation and Development Commission (BCDC), a moderate to advanced level Visual Impact Assessment (VIA) would be required during the PA/ED phase.

8.6 Cultural Resources: The proposed project and the involvement of Federal funds would require compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (36 CFR 800). Compliance with Section 106 is being carried out in accordance with the January 1, 2014, First Amended Programmatic Agreement Among the Federal Highway Administration, the Advisory Council on Historic Preservation, the California State Historic Preservation Officer, and the California Department of Transportation Regarding Compliance with Section 106 of the National Historic Preservation Act, as it Pertains to the Administration of the Federal-Aid Highway Program in California (PA).

Each alternative would require earthwork and excavation associated with demolition, modification, and/or expansion of existing on- and off-ramps, over-

crossing structures, and U.S. 101. Alternative 4 would not reconstruct the Bayshore Boulevard over-crossing after demolition and is not expected to require new pile supports. All other alternatives would require new piles due to the reconstruction of the Bayshore Boulevard over-crossing or due to the new northbound Sierra Point Parkway off-ramp (Alternative 3). Since piles are frequently driven deep into the ground, they have a greater potential of impacting native soil and therefore a higher likelihood of affecting unknown archaeological resources than typical surficial ground disturbance.

There are four known archaeological or prehistoric sites (CA-SFR-7, CA-SFR-34, the Ralston Mound, and CA-SMa-356) in the vicinity of the Candlestick Point interchange. Although the alternatives do not extend into the Candlestick Point interchange area, the presence of these sites indicates that the project area is sensitive and could contain unidentified archaeological resources. Impacts to any such resources during project earthwork would constitute a significant environmental impact. The area of potential effects (APE) of each build alternative would be approximately the same, though Alternative 3 may have the largest APE due to the northbound Sierra Point Parkway off-ramp.

A prehistoric and historic site record and literature search by the California Historical Resources Information System, Northwest Information Center at Sonoma State University would be completed along with a field reconnaissance by a qualified archaeologist. Due to the sensitivity of the area as well as the likely presence of engineered fill above native soil, subsurface archaeological testing may be required during the PA/ED phase of the project. The results would be incorporated into an Archaeological Survey Report (ASR) and a Historic Property Survey Report (HPSR). In addition, for any alternatives that require partial acquisition from a nearby property (e.g. Alternative 3), a Historic Resources Evaluation Report (HRER) would be completed to evaluate potentially eligible built environment properties. Consultation with SHPO may be required, and consultation with Native Americans regarding Tribal Cultural Resources will be required. If potentially eligible properties are found, a Finding of Effect would be needed to assess impacts or effects to those properties.

8.7 Hydrology and Floodplain: According to Federal Emergency Management Agency (FEMA) maps (Map Numbers 06081C0035E and 06081C0042E), most of U.S. 101 within the project limits is located outside of the 100-year flood zone. The shoreline east of the highway and very small portions of the existing highway are mapped in the 100-year flood zone. In addition, the lagoon west of U.S. 101 and south of Lagoon Road is in the 100-year flood zone.

Each of the alternatives would involve permanent modifications to U.S. 101 within 100-year flood zones. Since work would partially occur within a 100-year flood zone, the PA/ED phase would include the preparation of a Location Hydraulic Study (LHS) and Floodplain Evaluation Report, which would evaluate the extent to which the alternatives would result in adverse effects on the floodplain. Such analysis is required to comply with Executive Order 11988, *Floodplain Management*.

8.8 Water Quality and Storm Water Runoff: All of the proposed alternatives would increase impervious surface area along the project alignment, though Alternative 3 would likely increase impervious surfaces more than the other build alternatives. This is due to the reconstruction of the northbound Sierra Point Parkway off-ramp in a previously undisturbed area.

Stormwater runoff from the widened highway and reconstructed ramps would contain pollutants that would contribute to degradation of water quality in nearby water bodies, namely the San Francisco Bay. Degradation of water quality during the construction phase would also be a concern. Consistent with current practice and requirements, the project would be required to address both short- and long-term water quality concerns through the incorporation of Best Management Practices (BMPs) into the project design.

The alternatives under consideration are located on the State highway system and would be covered by the National Pollutant Discharge Elimination System (NPDES) Statewide permit issued to Caltrans by the State Water Resources Control Board (SWRCB). This permit covers all Caltrans properties, facilities and activities for both the construction and operational phases of projects. This NPDES permit also requires that both structural and non-structural BMPs be incorporated in to projects to minimize potential water quality impacts. Regardless of which alternative is selected, the project would comply with the Caltrans Statewide NPDES permit and the Storm Water Data Report to be prepared for the project, which would summarize the actions taken in compliance with the permit.

8.9 Geology, Soils, Seismic and Topography: The entire Bay Area is designated as Seismic Zone 4, which is a designation reserved for the most seismically-active zones in the United States. The project alignment is located approximately four miles east of the San Andreas Fault, therefore it is likely that the project area would be subject to shaking from a moderate to major earthquake within the lifetime of the

project.<sup>2</sup> Based on State geologic hazard maps, the project site is not vulnerable to earthquake-induced landslides or liquefaction.<sup>3</sup>

A Preliminary Geotechnical Report (PGR) would be completed during the PA/ED phase to ensure that the project would not create new hazards associated with seismic and soil conditions.

- 8.10 Paleontology: There are no known paleontological resources in the area. However, since the project would involve work below the existing ground surface, a Paleontological Identification Report (PIR) would be prepared.
- 8.11 Hazardous Waste/Materials: Based on a 2014 Phase I Initial Site Assessment completed for the project, there are a number of locations within or adjacent to the project limits which have the potential for hazardous materials contamination.<sup>4</sup>

Due to the age of the highway, surface soils within the project limits may contain aerially-deposited lead (ADL). The highway was also built on fill material in the 1950s, at a time when the standards for fill were less strict than they are today. Therefore the fill has potential to contain hazardous contaminants. It is recommended that surface soils be collected and analyzed for total lead concentrations and other contaminants prior to ground disturbance.

In addition, the areas surrounding the Oyster Point Boulevard interchange were used as a steel mill prior to the 1980s. Railroad tracks also traverse Oyster Point Boulevard. Reports from nearby sites indicate that there are likely heavy metals and petroleum hydrocarbons in the soil that could be associated with historical industrial operations and railroad activities. Any disturbance at this location should be preceded by characterization for potential contaminants.

The same railroad tracks continue east of U.S. 101 and south of Sierra Point Parkway, before they cross over to the west side of the highway. Soils adjacent to these tracks could be contaminated with heavy metals, petroleum hydrocarbons, and polyaromatic hydrocarbons. Further study and soil characterization is recommended.

<sup>&</sup>lt;sup>2</sup> California Department of Conservation. *Special Studies Zones, San Francisco South.* Effective January 1, 1982. Available at: http://www.quake.ca.gov/gmaps/WH/regulatorymaps.htm

<sup>&</sup>lt;sup>3</sup> California Department of Conservation. Seismic Hazard Zones, City and County of San Francisco. Released November 17, 2000. Available at: <a href="http://www.quake.ca.gov/gmaps/WH/regulatorymaps.htm">http://www.quake.ca.gov/gmaps/WH/regulatorymaps.htm</a>
<sup>4</sup> Parikh Consultants, Inc. Phase I Initial Site Assessment, Route 101 Improvements From Oyster Point Boulevard Interchange to San Mateo/San Francisco County Line, South San Francisco, San Mateo County, California. October 13, 2014.

Due to the presence of Franciscan greenstone rock formation near the San Francisco/San Mateo County line, there is potential for naturally-occurring asbestos to be present. This should be investigated prior to ground disturbance near the northern project limits.

Each of the build alternatives would involve highway and ramp modifications within similar footprints. Therefore, the differences between the build alternatives in terms of hazardous contamination and waste impacts are expected to be minimal.

8.12 Air Quality: The northerly segment of the project is included in the Metropolitan Transportation Commission's (MTC) 2013 Transportation Improvement Plan (TIP) as part of the "U.S. 101 Aux Lanes from Sierra Point Parkway to SF County Line" project (TIP ID SM-090009). During the PA/ED phase, the portion of the project between Sierra Point Parkway and Oyster Point Boulevard would need to be added to the TIP either as a new project or as a modification to SM-090009.

An air quality study would be prepared and the project, regardless of which alternative is selected, would go through the MTC Interagency Air Quality Task Force's Clean Air Act conformity process in order to determine whether it is a 'Project of Air Quality Concern (POAQC).' If the Task Force concludes that the project is a POAQC then a PM<sub>2.5</sub> hotspot analysis would be required. A mobile source air toxics (MSAT) report would also be prepared to evaluate potential levels of air toxics from vehicle emissions.

8.13 Noise and Vibration: The project is located in an urban area of San Mateo County. Land uses adjacent to U.S. 101 in the vicinity of the project include commercial offices, hotels, and commercial storage. There are sensitive receptors (i.e. residences) located west of U.S. 101 beyond Airport Boulevard at its intersection with Oyster Point Boulevard. There are no sound walls adjacent to U.S. 101 within the project limits.

It is possible that existing freeway-generated noise levels exceed the noise abatement criteria (NAC) of the FHWA at residences west of the Oyster Point interchange, though noise in that area would be the result of multiple sources including Airport Boulevard, U.S. 101, Sister Cities/Oyster Point Boulevard, and airplanes arriving at and departing from the nearby San Francisco International Airport.

Each build alternative would involve widening of U.S. 101 and modifications to onand off-ramps as well as over-crossing structures. None of the alternatives under consideration involve widening of southbound U.S. 101 at Oyster Point Boulevard, which is the closest point to the nearby residences. Every alternative meets the definition of a Type I project under 23 CFR 722 because they include the addition of an auxiliary lane that is not a turn lane (i.e. it connects two interchanges). Therefore, a noise study would need to be prepared for the entire project alignment to evaluate the traffic noise levels that would result from the project. The noise study would determine if noise levels would approach or exceed the NAC and, if so, whether noise abatement is warranted. Depending on the outcome of the noise study, preparation of a Noise Abatement Decision Report (NADR) may be warranted.

8.14 Energy and Climate Change: The reduction in existing and future congestion that is anticipated to occur as a result of project implementation would result in incremental energy savings in operation. Each build alternative stands to provide comparable energy savings in operation.

One of the anticipated effects of climate change is sea level rise. Given that the project site is located along the shoreline of the San Francisco Bay, future sea level rise may affect U.S. 101 within the project limits. Based on the most recent assessment from the Intergovernmental Panel on Climate Change, the mean sea level will rise by 0.24 - 0.29 meters, or up to one foot, by 2065 depending on how greenhouse gas emissions change.<sup>5</sup> Based on the *Sea Level Rise Viewer* tool maintained by the National Oceanic and Atmospheric Administration, sea level rise up to six feet above current sea level would not inundate any part of U.S. 101 within the project limits.<sup>6</sup> Therefore, climate change-induced sea level rise is not expected to present an inundation hazard for U.S. 101 within the project limits by 2065. Due to the low-lying location of the project and the proximity to the San Francisco Bay, however, the potential effects of sea level rise on the project would be further studied during the PA/ED phase of the project.

8.15 Biological Environment: The project area includes a mix of native and non-native vegetation and freeway landscaping, which are interspersed with tidally-influenced aquatic features. Native plants such as willows are found in a number of locations, but native-dominated communities are mainly found along the San Francisco Bay shoreline east of U.S. 101. There are multiple channels and aquatic features in the project area that could also contain native plants and/or special-status species.

<sup>&</sup>lt;sup>5</sup> Wong, P.P. et al. 2014: Coastal systems and low-lying areas. In: Climate Change 2014: Impacts, Adaptation, and Vulnerability. Part A: Global and Sectoral Aspects. Contribution of Working Group II to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change [Field, C.B., et al]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA, pp. 361-409. Table 5-2.

<sup>&</sup>lt;sup>6</sup> NOAA. *Sea Level Rise and Coastal Flooding Impacts*. Accessed December 15, 2014. Available at: <a href="http://coast.noaa.gov/slr/">http://coast.noaa.gov/slr/</a>

In addition to the drainage channel that is conveyed via culverts beneath U.S. 101 north of Sierra Point Parkway and south of Harney Way, there are two channels that run parallel to the Oyster Point Boulevard and Sierra Point Parkway northbound U.S. 101 on-ramps. The channel between the Oyster Point Boulevard on-ramp and northbound U.S. 101 is partly earthen-bottom and becomes concrete-lined at the Bayshore Boulevard exit. There is a related earthen-bottom aquatic feature east of the Bayshore Boulevard over-crossing structure. Farther north, the channel east of the Sierra Point Parkway northbound off- and on-ramp is entirely earthen-bottom.

In 2009, a review of the California Natural Diversity Database (CNDDB) was completed for a five-mile radius around the U.S. 101/Candlestick Point interchange. The project limits under consideration for the current U.S. 101 Modifications (Oyster Point to San Francisco County Line) project fall within that search radius. An updated review of the CNDDB will be necessary for the biology reports prepared during the PA/ED phase, however for the purposes of this Preliminary Environmental Assessment Report, the 2009 review provides site-specific information regarding nearby special-status species.

Occurrences of the following special-status plant species were found in proximity to the project alignment, primarily within San Bruno Mountain State Park: white-rayed pentachaeta (*Pentachaeta bellidiflora*), San Francisco collinsia (*Collinsia multicolor*), San Francisco owl's clover (*Triphysaria floribunda*), and the bent-flowered fiddleneck (*Amsinckia lunaris*). Known occurrences of special-status animals in the vicinity of the project alignment include the Federally endangered Mission blue butterfly (*Plebejus icarioides missionensis*) and Callippe silverspot butterfly (*Speyeria callippe callippe*), the Federal and State endangered California clapper rail (*Rallus longirostris obsoletus*), the Federally threatened Bay Checkerspot butterfly (*Euphydryas editha bayensis*), and the State Species of Concern Alameda song sparrow (*Melospiza melodia pusillula*).

Any saltwater marsh areas within or adjacent to the project limits could also provide habitat for the Salt marsh harvest mouse (*Reithrodontomys raviventris*). Ruderal habitats and scrubby vegetation along U.S. 101 could support the burrowing owl (*Athene cunicularia*), loggerhead shrike (*Lanius ludovicianus*), and San Francisco common yellowthroat (*Geothlypis trichas sinuosa*), which are California species of special concern, as well as the white-tailed kite (*Elanus leucurus*), which is a State Fully Protected species. Finally, the above-described channels that are present in the project area may include the presence of (or habitat suitable for) special-status fish species such as California coastal chinook, Central California coast coho, and/or Central California coast steelhead.

Indirect effects of all alternatives such as construction noise, vibration, lighting, and runoff could result in impacts to special-status species. Each alternative would require widening the northbound U.S. 101 on-ramp at Sierra Point Parkway, which would result in direct impacts to the adjacent channel. In reconstructing and widening the northbound Bayshore Boulevard off-ramp, Alternative 2 would include realignment of the concrete-lined channel adjacent to the off-ramp. No other build alternatives would affect the concrete-lined channel next to the northbound Bayshore Boulevard off-ramp. Alternative 3 would reconstruct the northbound Sierra Point Parkway off-ramp, which would result in direct impacts to the aquatic features between the railroad tracks and U.S. 101. This is the only alternative that would impact this area.

There is an approximately 4,000-foot long lagoon west of U.S. 101, north of Sierra Point Parkway, which likely serves as fish and bird habitat. Due to the presence of open, ruderal habitat and multiple aquatic features in addition to the adjacent San Francisco Bay, a number of wildlife species are expected to forage, inhabit, or migrate through the project area. None of the proposed alternatives would involve physical disturbance of the lagoon or the San Francisco Bay.

During the PA/ED phase, updated species lists would be obtained from the U.S. Fish and Wildlife Service and an updated CNDDB records search of endangered species occurrences within the vicinity of the project area would be conducted. A field survey and habitat assessment would also be necessary. The results of that research and reconnaissance would be incorporated into a Natural Environment Study (NES), which would be prepared to evaluate potential direct and indirect impacts to biological resources. In addition, if it is determined that Federally-protected species could be adversely affected by the project, then a Biological Assessment (BA) would be prepared and consultation with Federal wildlife agencies undertaken if needed.

Surveys of existing structures would be needed in order to determine if they are being used for roosting by bats, swallows, or other wildlife. A tree survey would be needed to document trees to be trimmed or removed by the project. All biological surveys would be summarized in the NES and BA where applicable.

#### Migratory Bird Treaty Act

Along with other wildlife and habitat protection regulations such as Section 3503.5 of the California Fish and Game Code, most birds in the United States are protected under the Migratory Bird Treaty Act (MBTA). The MBTA (MBTA: 16 USC Section 703, Supp. I, 1989) prohibits killing, possessing, or trading in migratory birds except in accordance with regulations prescribed by the Secretary of the

Interior. This act encompasses whole birds, parts of birds, and bird nests and eggs. Construction disturbance during the breeding season could result in the incidental loss of fertile eggs or nestlings, or otherwise lead to nest abandonment, a violation of the MBTA.

#### **Regulated Habitats**

The San Francisco Bay shoreline east of U.S. 101 and south of Harney Avenue supports wetlands and aquatic habitat. Each of the channels described above appear to be tidally-influenced. The U.S. Army Corps of Engineers (USACE) would claim jurisdiction over the Bay shoreline and the channels as "Waters of the United States" up to the mean high water line under Section 10 of the Rivers and Harbors Act. The USACE would likely claim jurisdiction up to the high tide line and/or the farthest landward extent of vegetation associated with salt or brackish water in coastal wetlands under Section 404 of the Clean Water Act. Other areas where willows are present may also be considered jurisdictional by the USACE. Based on past site surveys, willows are present at various locations along the entire project alignment, primarily on the east side of U.S. 101. To determine the full extent of potential biological impacts, a wetland delineation of the entire project alignment would be required. Each alternative would require Section 404 permits from the USACE.

Due to the potential for the alternatives to result in direct or indirect impacts to the habitat of Federally-protected species, formal or informal consultation with the U.S. Fish and Wildlife Service (USFWS) and/or National Marine Fisheries Service (NMFS) may be required.

The BCDC has jurisdiction for any projects that involve filling or dredging in the Bay, as well as any projects that occur within 100 feet of the San Francisco Bay shoreline. Due to the location of the project alignment within 100 feet of the San Francisco Bay, all of the project alternatives would require a permit from the BCDC.

The San Francisco Bay Regional Water Quality Control Board (RWQCB) would also claim jurisdiction over the drainage channels and Bay shoreline areas as "Waters of the State." Each alternative would require Section 401 certifications from the RWQCB.

Lastly, any projects disturbing the bed, channel, or bank of any river, stream, or lake require a Streambed Alteration Agreement from the California Department of Fish and Wildlife (CDFW) under Section 1602 of the Fish and Game Code. Each alternative would require a Section 1602 permit from CDFW.

#### Constraints

In addition to the mitigation and avoidance constraints that may arise from the permits detailed above, there are other known regulatory constraints affecting the project. Under regulations implemented under the authority of the MBTA, if construction occurs during the bird breeding season (February 1 to September 1), a qualified biologist must conduct pre-construction surveys for nesting birds no more than three days prior to disturbance. If a nesting bird or raptor is discovered, a construction buffer around the nest must be established in consultation with CDFW.

#### **Mitigation**

To the extent that the alternatives result in permanent impacts to saltwater or brackish wetlands, aquatic habitat, and/or riparian areas, compensatory mitigation would be required by USACE, CDFW, and the RWQCB as part of the project permit process. Depending on the quality and type of the habitat as well as the extent of the impacts, the mitigation ratios could range from 1:1 to 4:1 (mitigation area :impacted area). Mitigation for temporary impacts is typically required at a 1:1 ratio.

Depending on the results of a habitat assessment and wetland delineation, each alternative would require mitigation for impacts to riparian habitat, saltwater marsh, and/or aquatic habitat. Based on a review of the alternative alignments, Alternative 3 would have the greatest impacts to regulated habitat and would require the most compensatory mitigation.

8.16 Cumulative Impacts: There are multiple projects planned in the vicinity of the project alignment, most notably the mixed-use development for Candlestick Point and Hunters Point Shipyard, which over time could contribute approximately 10,500 residential units to the area. The U.S. 101/Candlestick Point Interchange project, which is within the project limits, is undergoing the planning and approval process. The 101/Candlestick project would remove the Harney Way off- and onramps, widen Alanna Way, and construct new northbound U.S. 101 diagonal onand off-ramps.

Potential cumulative impacts from these projects and other reasonably foreseeable projects in the area will be analyzed in the IS/EA as well as other technical reports such as the NES and the Storm Water Data Report. The effects of the project on growth, traffic, air quality, noise, water quality and biological, cultural and visual resources will need to be evaluated to determine if the proposed project would contribute to cumulative impacts.

8.17 Context Sensitive Solutions: Quality transportation design requires innovative and inclusive approaches that integrate and balance community, aesthetic, historic, and environmental values with transportation safety, maintenance, and performance goals and is reached through a collaborative, interdisciplinary approach involving all stakeholders. Whether a project is in an urban, rural, or natural setting, the transportation facility must be in harmony with the community goals and the natural environment. Caltrans context sensitive solutions require careful, imaginative, and early planning, and continuous community involvement.

Early planning and community involvement efforts have yet to be undertaken with respect to the project. Community outreach and involvement will occur during the PA/ED phase of the project.

Since the alternatives all include multiple retaining walls, architectural/aesthetic treatments for those walls will need to be considered. Vegetation removed as part of the project will be replaced and maintained per Caltrans policy.

## 9. Summary Statement for PSR or PSR-PDS

The anticipated environmental document for the Project is an Initial Study for CEQA and an Environmental Assessment for NEPA.

The environmental technical studies that are anticipated to be needed for the project are as follows: noise (and, if warranted, NADR), air quality (including MSAT), biology (NES and, if warranted, BA), wetland delineation (WDR), hazardous materials (ISA), floodplain (LHS and Floodplain Evaluation Report), cultural resources (HPSR, HRER, and ASR), paleontology (PIR), geotechnical (PGR), visual (VIA), and water quality (SWDR).

The following environmental studies may be required:

- Noise Abatement Decision Report (NADR)
- Biological Assessment (BA)

Due to the extensive vegetation removal, construction of several retaining walls, and its proximity to the Bay, all four build alternatives would likely require a moderate to advance level VIA, and aesthetic/architectural treatment for the retaining walls. In addition, all four build alternatives would require permits or approvals from the following agencies due to channel modifications, widening of structures over a waterway, and/or construction of a new off-ramp in a potential wetland:

- U.S. Army Corps of Engineers
- San Francisco Bay Conservation and Development Commission (BCDC)

- Regional Water Quality Control Board
- California Department of Fish & Wildlife
- U.S. Fish and Wildlife Service
- National Marine Fisheries Services

To the extent that the alternatives result in permanent impacts to saltwater or brackish wetlands, aquatic habitat, and/or riparian areas, compensatory mitigation would be required as a part of the permit process.

#### 10. Disclaimer

This Preliminary Environmental Analysis Report (PEAR) provides information to support programming of the proposed project. It is not an environmental determination or document. Preliminary analysis, determinations, and estimates of mitigation costs are based on the project description provided in the Project Study Report (PSR). The estimates and conclusions in the PEAR are approximate and are based on cursory analyses of probable effects. A reevaluation of the PEAR would be needed for changes in project scope or alternatives, or in environmental laws, regulations, or guidelines.

11. List of Preparers

Cultural Resources specialist	Date: 2009
Holman & Associates	
Biologist	Date: 2009
H.T. Harvey & Associates	
Hazardous Waste/Materials specialist	Date: 10/13/2014
Parikh Consultants, Inc.	
PEAR Preparer (Name and Title)	Date: 1/12/2015
John Hesler, Sr. Environmental Specialist	

### 12. Review and Approval

I confirm that environmental cost, scope, and schedule have been satisfactorily completed and that the PEAR meets all Caltrans requirements. Also, if the project is scoped as a routine EA, complex EA, or EIS, I verify that the HQ DEA Coordinator has concurred in the Class of Action.

Environmental Branch Chief

Date: 4/13/2015

Date: 04/13/2015

## **REQUIRED ATTACHMENTS:**

Attachment A: PEAR Environmental Studies Checklist Attachment B: Estimated Resources by WBS Code

**Attachment C: Schedule** 

Attachment D: PEAR Environmental Commitments Cost Estimate (Standard PSR)

## **Attachment A: PEAR Environmental Studies Checklist**

Rev. 11/08						
Environmental Studies for PA&ED Checklist						
	Not anticipated	Memo to file	Report required	Risk* L M H	Comments	
Land Use			Toquilou	I IVI II		
Growth		<del>                                     </del>	H	<u> </u>		
Farmlands/Timberlands			H	<u> </u>		
Community Impacts				<u> </u>		
Community Character and Cohesion			H	<u> </u>		
Relocations				<u> </u>		
Environmental Justice				<u> </u>		
Utilities/Emergency Services				<u> </u>		
Visual/Aesthetics		<del>                                     </del>		<u> </u>		
Cultural Resources:		<del>                                     </del>		<u> </u>		
	<del>                                     </del>	H		<u> </u>		
Archaeological Survey Report	<del>                                     </del>	믐		느		
Historic Resources Evaluation Report	<u> </u>	<del>                                     </del>		<u> </u>		
Historic Property Survey Report		<u> </u>		<u> </u>		
Historic Resource Compliance Report		누		느		
Section 106 / PRC 5024 & 5024.5	<u> </u>			<u>L</u>		
Native American Coordination				<u>L</u>		
Finding of Effect		<u> </u>	<u> </u>	<u>L</u>		
Data Recovery Plan				<u>L</u>		
Memorandum of Agreement	$\boxtimes$		Ш	<u>L</u>		
Other:				<u>L</u>		
Hydrology and Floodplain			$\square$	<u>L</u>		
Water Quality and Stormwater Runoff			$\boxtimes$	<u>L</u>		
Geology, Soils, Seismic and			$\boxtimes$	L		
Topography						
Paleontology			$\boxtimes$	<u>L</u>	PIR	
PER				<u>L</u>		
PMP	$\boxtimes$			<u>L</u>		
Hazardous Waste/Materials:			$\boxtimes$	L		
ISA (Additional)				L		
PSI				L		
Other:				L		
Air Quality			$\boxtimes$	L		
Noise and Vibration			$\boxtimes$	<u>L</u>		
Energy and Climate Change				<u>L</u>		
Biological Environment	<u>†</u>		$\boxtimes$	L		
Natural Environment Study	† <del>=</del>			<u>L</u>		
Section 7:	† <del></del>			M		
Formal	† <del>=</del>			M		
Informal				L		
No effect				L	To be determined	
Section 10		<del>                                     </del>		<u>L</u>	10 00 determined	

Environmental Studies for PA&ED Checklist					
	Not	Memo	Report	Risk*	Comments
	anticipated	to file	required	LMH	
USFWS Consultation	<u> </u>	ᆜ		<u>M</u>	
NMFS Consultation				<u>L</u>	
Species of Concern (CNPS, USFS, BLM, S, F)				L	
Wetlands & Other Waters/Delineation				<u>M</u>	
404(b)(1) Alternatives Analysis				<u>L</u>	
Invasive Species				ᅵ	
Wild & Scenic River Consistency	$\square$			<u> </u>	
Coastal Management Plan	$\square$			<u>L</u>	
HMMP				<u>M</u>	
DFG Consistency Determination				<u>L</u>	
2081	$\square$			<u>L</u>	
Other:				L	
Cumulative Impacts				<u>L</u>	
Context Sensitive Solutions				ᆈ	
Section 4(f) Evaluation		$\boxtimes$		ᆈ	
Permits:					
401 Certification Coordination				<u>L</u>	
404 Permit Coordination, IP, NWP, or LOP				L	
1602 Agreement Coordination				<u>L</u>	
Local Coastal Development Permit Coordination	$\boxtimes$			L	
State Coastal Development Permit				<u>L</u>	
Coordination					
NPDES Coordination				<u>L</u>	SWDR
US Coast Guard (Section 10)				<u>L</u>	
TRPA				<u>L</u>	
BCDC				<u>L</u>	

# PEAR Attachment C - Estimated PA/ED Schedule

U.S. 101 in San Mateo County (Oyster Point Blvd PM 22.8 to SF County Line PM 26.1)

Project ID/EA: 04 1400 0256/EA 04-3G860			
	<u>Legend</u>		
	Technical Studies		
	Environmental Document		
	Task Duration	<b>Cumulative Duration</b>	
Task	(Calendar Days)	(Calendar Days)	Notes
Prepare, Review, and Approve All Technical Studies	180	180	
Section 7 Consultation with USFWS, NMFS	180	360	Conservative worst-case estimate
Prepare 1st Admin. version of Draft EA/IS	30	390	30 days after end of consultation
Caltrans Review of 1st Admin. version of Draft EA/IS	30	420	
Prepare 2nd Admin. version of Draft EA/IS	21	441	
Caltrans Review of 2nd Admin. version of Draft EA/IS	30	471	
Prepare Draft EA/IS	14	485	
Caltrans Review & Approval of Draft EA/IS	21	506	
Draft EA/IS Public Circulation Period	35	541	Extra 5 days added for printing, shipping, etc
Prepare 1st Admin. version of Final EA/IS	60	601	
Caltrans Review of 1st Admin. version of Final EA/IS	30	631	
Prepare 2nd Admin. version of Final EA/IS	21	652	
Caltrans Review of 2nd Admin. version of Final EA/IS	30	682	
Prepare Final EA/IS	14	696	
Caltrans Review & Approval of Final EA/IS	21	717	
NOTE: All review times are estimated based on Caltrans' stand	dard/default review periods. Act	ual review times can and d	o vary
based on County and Caltrans staff workloads.			

# Attachment E: Transportation Planning Scoping Information Sheet

# **ARTICLE 4** Transportation Planning Scoping Information Sheet

# PROJECT INFORMATION

Project ID No/

District	County	Route	Post Miles	Expenditure Authorization No.	
04	San Mateo	101	22.8 to 26.1	04 1400 0256/EA 04-3G860	
Project Name and Description :					
US 101 Auxiliary Lane Project (Oyster Point to San Francisco County Line)					

# Prepared by:

District Information Sheet	Name: Natalina Bernardi, BKF	Functional	Consultant
Point of Contact*:	Engineers	Unit:	

<sup>\*</sup> The District Information Sheet Point of Contact is responsible for completing Project Information, PDT Team and Stakeholder Information, and coordinating the completion of project-related information with the Transportation Planning Stakeholders. Upon completion, provides the Transportation Planning PDT Representative and Project Manager with a copy of the Information Sheet.

Project Development Team (PDT) Information			
Title	Name	Phone Number	
Project Manager	Richelle Perez	(510) 286-4998	
Project Engineer	Mimy Hew, Advanced Planning	(510) 286-5578	
Transportation Planning PDT	Trang Hoang, Advanced Planning	(510) 286-5650	
Representative**			

Transportation Planning Stakeholder Information				
Title	Name	Phone Number		
Regional Planner	Blesilda Gebreyesus	(510) 286-5575		
System Planner	Ina Gerhard	(510) 286-5598		
Local Development-	Erik Alm	(510) 286-6035		
Intergovernmental Review				
(LD-IGR) Planner				
Community Planner	Becky Frank	(510) 286-5536		
Goods Movement Planner	Joseph Aguilar	(510) 286-5591		
Transit Planner	Wingate Lew	(510) 622-5432		
Bicycle and Pedestrian	Beth Thomas	(510) 286-7227		
Coordinator				
Park and Ride Coordinator	Wingate Lew	(510) 622-5432		
Native American Liaison	Blesilda Gebreyesus	(510) 286-5575		
	Lissa McKee	(510) 286-5618		
Other Coordinators:	TBD			

Project Purpose and Need** –	
Purpose:	

- Reduce delay and existing and future traffic congestion on Route 101
- Improve weaving operations at the ramps
- Enhance safety by improving traffic operations

### Need:

US 101 within the Project limits serves as a main commute corridor to and from San Mateo County, San Francisco, and the Bay Bridge. It is also considered a major commute route connecting San Francisco and Silicon Valley, as well as providing access to San Jose International Airport in the southern end of the corridor and San Francisco International Airport (SFO) in the northern end of the corridor. According to Caltrans' US 101 South Corridor System Management Plan (CSMP), dated December 2010, US 101 would deteriorate and operate with delay and congestion with no improvements to the corridor. This is based on the traffic forecast year 2030 with no improvements to the corridor. The CSMP has reported that the peak-period vehicle miles of travel on US 101 between I-380 and the San Francisco County line is forecast to increase 115 percent in the AM peak period and 103 percent in the PM peak period by 2030. The expected increase in demand will result in an increase to the peak-period vehicle-hour of delay (VHD) on US 101 within San Mateo County. The VHD is forecast to increase by 176 percent by the year 2030 compared to 2009 existing conditions without the project. The increase in VHD would deteriorate the overall US 101 traffic operations which would also worsen traffic safety. The forecasted congestion and delay are due to growth estimated in the area.

### 1. Project Funding:

a	List all known and potential funding sources and percent splits: (ie. State Transportation Improvement Program (STIP)/State Highway Operations and Protection Program (SHOPP)/Transportation Enhancement (TE)/Environmental Enhancement and Mitigation (EEM)/Safe Routes to School (SR2S)/etc.).
	State Transportation Improvement Program (STIP) and Measure A
b	Is this a measure project? Yes_X_/No If yes, name and describe the measure.
U	San Mateo County Measure A

### 2. Regional Planning:

	Name of and contact information for Metropolitan Planning Organization (MPO) or Regional
	Transportation Planning Agency (RTPA).
a	Metropolitan Transportation Commission (MTC)
a	101 8 <sup>th</sup> Street
	Oakland, CA 94607
	(510) 817-5700
	Name of and contact information for local jurisdiction (City or County)
	Jim McKim, Project Manager
	San Mateo County Transportation Authority (SMCTA)
b	1250 San Carlos Ave.
	P.O. Box 3006
	San Carlos, CA 94070-1306
	Provide the page number and project description as identified in the Regional Transportation Plan (RTP)
c	and the date of adoption, or provide an explanation if not in RTP.
	Change in Motion Transportation 2035, Page 116, Construct auxiliary lanes (one in each direction) on
	U.S. 101 from Sierra Point to San Francisco County line.
d	Provide nexus between the RTP objectives and the project to establish the basis for the project purpose

<sup>\*\*</sup> The Transportation Planning PDT Representative is responsible for providing the PDT with the system-wide and corridor level deficiencies identified by Transportation Planning. The PDT uses the information provided by Transportation Planning to develop the purpose and need with contributions from other Caltrans functional units and external stakeholders at the initiation of the PID and is refined throughout the PID process. As the project moves past the project initiation stage and more data becomes available, the purpose and need is refined. For additional information on purpose and need see: <a href="https://www.dot.ca.gov/hq/env/emo/purpose need.htm">www.dot.ca.gov/hq/env/emo/purpose need.htm</a>

	and need.
	Construct auxiliary lanes between the Oyster Point Boulevard Interchange and San Francisco County line
_	Is the project located in an area susceptible to sea-level rise?
e	Yes
f	Name of Air Quality Management District (AQMD)
1	Bay Area Air Quality Management District
	If the project is located in a federal non-attainment or attainment-maintenance area is the project:
	• Regionally Significant? (per 40 (Code of Federal Regulations (CFR) 93.101) Y X /N
g	• Exempt from conformity? (per 40 CFR 93.126 and 93.128) Y/N_X_
	• Exempt from regional analysis? (per 40 CFR 93.127) Y/NX_
	Not exempt from conformity (must meet all requirements)? Y_X_/N

# 3. Native American Consultation and Coordination:

	If project is within or near an Indian Reservation or Rancheria? If so, provide the name of Tribe.
a	No No
1.	Has/have the Tribal Government(s) been consulted? Y/N_X If no, why not?
b	N/A
	If the project requires Caltrans to use right-of-way on trust or allotted lands, this information needs to be
С	included as soon as possible as a key topic in the consultation with the Tribe(s). Has the Tribe been
	consulted on this topic? Y/N_X If no, why not?
	N/A
d	Has the Bureau of Indian Affairs (BIA) been notified? Y/N_X_
u	N/A
e	Have all applicable Tribal laws, ordinances and regulations [Tribal Employment Rights Ordinances
	(TERO), etc.] been reviewed for required contract language and coordination?
	N/A
	If the Tribe has a TERO, is there a related Memorandum of Understanding between the District and the
f	Tribe?
	N/A
	Has the area surrounding the project been checked for prehistoric, archeological, cultural, spiritual, or
~	ceremonial sites, or areas of potentially high sensitivity? If such areas exist, has the Tribe, Native
g	American Heritage Commission or other applicable persons or entities been consulted?
	No
h	If a Native American monitor is required for this project, will this cost be reflected in cost estimates?
11	Will be determined in PA/ED phase.
	In the event of project redesign, will the changes impact a Native American community as described
i	above in d, e, or h?
	No

# 4. System Planning:

0	Is the project consistent with the DSMP? Y/N_X If yes document approval date. If no, explain.
a	Currently under development by Caltrans, District 4.
	Is the project identified in the TSDP? Y_X_/N? If yes, document approval date12/1/11 If no,
b	explain.
	Is the project identified in the TCR/RCR or CSMP? Y_X_/N If yes, document approval
c	date_02/14/11 If no, explain. Is the project consistent with the future route concept? Y_X_/N If
	no, explain.
d	Provide the Concept Level of Service (LOS) through project area.
u	To be determined in PA/ED phase

	Provide the Concept Facility – include the number of lanes. Does the Concept Facility include High Occupancy Vehicle lanes? Y/N_X
e	In the Northbound direction, a two-lane auxiliary lane is proposed between the Oyster Point Boulevard on-ramp to the Bayshore Boulevard off-ramp providing 6 lanes of travel. A standard auxiliary lane is proposed on northbound US-101 between the Bayshore Boulevard off-ramp to the Candlestick Point off-ramp providing 5 lanes of travel. In the southbound direction, an auxiliary lane is proposed between the Candlestick Point on-ramp and the Sierra Point Parkway off-ramp providing 6 lanes. A single lane auxiliary lane continues from the Sierra Point Parkway off-ramp to the Oyster Point Boulevard off-ramp.
	Provide the Ultimate Transportation Corridor (UTC) – include the number of lanes. Does the UTC include High Occupancy Vehicle Lanes? Y_/N_X
f	The Ultimate Transportation Corridor consists of auxiliary lanes in the north and southbound direction of US-101. In the northbound direction, 6 lanes of travel are proposed and in the southbound direction, 5 lanes of travel are proposed.
	Describe the physical characteristics of the corridor through the project area (i.e. flat, rolling or
g	mountainous terrain).
	Flat  Is the highway in an unban on much area? Huban V (Parel - Provide Functional Classification)
h	Is the highway in an urban or rural area? Urban_X_/Rural Provide Functional Classification.  FC Code 2 (Other Freeways or Expressways)
	Is facility a freeway, expressway or conventional highway?
i	Freeway
	Provide Route Designations: (i.e. Interregional Transportation Strategic Plan (ITSP) High Emphasis or Focus Route, Surface Transportation Assistance Act (STAA) Route, Scenic Route).
	Part of the National Highway System (NHS)
j	Is a Strategic Highway Network (STRAHNET) route  Output  Description:
	Is part of the State Highway Extra Legal Load (SHELL) route system  On the State Highway Extra Legal
	<ul> <li>Classified as "High Emphasis" and 'Focus Route," on Caltrans Interregional Transportation Plan (ITP)</li> </ul>
	<ul> <li>Is a National Truck Network route and a Surface Transportation Assistance Act (STAA) route</li> </ul>
	Describe the land uses adjacent to project limits (i.e. agricultural, industrial).
k	Light industrial, commercial
	Describe any park and ride facility needs identified in the TCR/CSMP, local plans, and RTP.
1	Brisbane (43) as per CSMP
	Describe the Forecasted 10 and 20-year Vehicle Miles Traveled (VMT), Annual Average Daily Traffic
m	(AADT), and Peak Hour truck data in the TCR. Include the source and year of Forecast, and names and
	types of traffic and travel demand analysis tools used.
-	To be determined in PA/ED phase  Hes analysis on Daily Vahiola Hayrs of Dalay (DVIID) from the Highway Congestion Manitoring
n	Has analysis on Daily Vehicle Hours of Delay (DVHD) from the Highway Congestion Monitoring Program (HICOMP) been completed and included? Y_X_/N
n	HICOMP report is available online

# 5. Local Development – Intergovernmental Review (LD-IGR):

List LD-IGR projects that may directly or indirectly impact the proposed Caltrans project or that the proposed Caltrans project may impact. (Attach additional project information if needed.)

	LD-IGR Project Information	Project
a	County-Route-Postmile & Distance to	San Mateo County to San Francisco County Line – R20.72 to
	Development.	26.10 within 10 miles of development
b	Development name, type, and size.	Brisbane Baylands Development
		The Brisbane Baylands encompasses approximately 684 acres,

		generally bordered on the west by Bayshore Boulevard, north by the City and County of San Francisco, east by the U.S. Hwy 101 causeway, and south by Brisbane Lagoon.  12 million square feet of development, including 7 million square feet of office, retail, industrial and institutional uses and 5 million square feet of residential development
С	Local agency and/or private sponsor, and contact information.	City of Brisbane 50 Park Place Brisbane, CA 94005
d	California Environmental Quality Act (CEQA) status and Implementation Date.	Draft EIR currently in review
e	If project includes federal funding, National Environmental Policy Act (NEPA) status.	
f	All vehicular and non-vehicular unmitigated impacts and planned mitigation measures including Transportation Demand Management (TDM) and Transportation System Management (TSM) that would affect Caltrans facilities.  Approved mitigation measures and	
g h	implementing party.  Value of constructed mitigation and/or	
i	amount of funds provided.  Encroachment Permit, Transportation Permit, Traffic Management Plan, or California Transportation Commission (CTC) Access approvals needed.	
j	Describe relationship to Regional Blueprint, General Plans, or County Congestion Management Plans.	
k	Inclusion in a Regional Transportation Plan Sustainable Community Strategy or Alternative Planning Strategy?	
1	Regional or local mitigation fee program in place?	

	LD-IGR Project Information	Project
a	County-Route-Postmile & Distance to	San Mateo County to San Francisco County Line – R20.72 to
	Development.	26.10 within 10 miles of development
b	Development name, type, and size.	Bayview Hunter's Point-Candlestick Point Redevelopment The Project encompasses approximately 780-acre area east of US 101 in the southeast area of the City and occupies the waterfront area from India Basin to approximately Candlestick Point. The plans consists of a mixed-use community with residential, retail, office/research & development(R&D)/industrial, civic and community uses, and parks and recreational open space.

С	Local agency and/or private sponsor, and contact information.	City and County of San Francisco Planning Department 1650 Mission Street, Suite 400 San Francisco, CA 94103
d	California Environmental Quality Act (CEQA) status and Implementation Date.	Draft EIR currently in review
e	If project includes federal funding, National Environmental Policy Act (NEPA) status.	
f	All vehicular and non-vehicular unmitigated impacts and planned mitigation measures including Transportation Demand Management (TDM) and Transportation System Management (TSM) that would affect Caltrans facilities.	
g	Approved mitigation measures and implementing party.	
h	Value of constructed mitigation and/or amount of funds provided.	
i	Encroachment Permit, Transportation Permit, Traffic Management Plan, or California Transportation Commission (CTC) Access approvals needed.	
j	Describe relationship to Regional Blueprint, General Plans, or County Congestion Management Plans.	
k	Inclusion in a Regional Transportation Plan Sustainable Community Strategy or Alternative Planning Strategy?	
1	Regional or local mitigation fee program in place?	

6. Community Planning:

U	•	Community Framing.	
		INITIAL PID INFORMATION	
	a	Has lead agency staff worked with any neighborhood/community groups in the area of the proposed improvements? Y_/N_X If yes, summarize the process and its results including any commitments made to the community. If no, why not?	
-		The community would be involved during the PA/ED Phase	
	b	Are any active/completed/proposed Environmental Justice (EJ) or Community-Based Transportation (CBTP) Planning Grants in the project area? Y/N_X If yes, summarize the project, its location, and whether/how it may interact with the proposed project.	
		None identified at this time.	
	c	Describe any community participation plans for this PID including how recommendations will be incorporated and/or addressed. Has a context sensitive solutions (CSS) approach been applied? Y/N Will be addressed during PA/ED Phase	
		FINAL PID INFORMATION	
	d	How will the proposed transportation improvements impact the local community? Is the project likely to create or exacerbate existing environmental or other issues, including public health and safety, air quality, water quality, noise, environmental justice or social equity? Y_/N_X Describe issues, concerns, and recommendations (from sources including neighborhood/community groups) and what measures will be	

	taken to reduce existing or potential negative effects.
	Will be determined in PA/ED phase.
	Does this highway serve as a main street? Y_/N_X If yes, what main street functions and features
e	need to be protected or preserved?

7.	Freight Planning:
	INITIAL PID INFORMATION
	Identify all modal and intermodal facilities that may affect or be affected by the project.
a	The project is located within 10 miles north of San Francisco International Airport.
	FINAL PID INFORMATION
b	Describe how the design of this project could facilitate or impede Goods Movement and relieve choke points both locally and statewide through grade separations, lane separations, or other measures (e.g., special features to accommodate truck traffic and at-grade railroad crossings).  The project improves local access to the freeway. The revised interchange geometry improves the short weaving section between the on-ramp from NB Oyster Point Blvd and the exit off-ramp to Bayshore
	Blvd or Sierra Point Parkway which will improve traffic flow along the NB mainline.
С	Describe how the project integrates and interconnects with other modes (rail, maritime, air, etc.). Do possibilities exist for an intermodal facility or other features to improve long-distance hauling, farm-to-market transportation and/or accessibility between warehouses, storage facilities, and terminals?
	The project is located within 10 miles north of San Francisco International Airport.
d	Is the project located in a high priority goods movement area, included in the Goods Movement Action Plan (GMAP) or on a Global Gateways Development Program (GGDP) route? Y_X_/N If yes, describe.
	In the GMAP, US-101 is considered a "Major International Trade Highway Route". In the Global
e	Gateways Development Programs US-101 is determined to be part of the identified U.S./State Routes.  Is the project on a current and/or projected high truck volume route [e.g., Average Annual Daily Truck Traffic (AADTT) of 5 axle trucks is greater than 3000]? Yes_X_/N If yes, describe how the project addresses this demand.  The project does not change the existing capacity for truck traffic and therefore does not negatively impact their operations.
f	If the project is located near an airport, seaport, or railroad depot, describe how circulation (including truck parking) needs are addressed.  The project is located within 10 miles north of San Francisco International Airport. This project proposes auxiliary lanes in both the southbound and northbound direction. The auxiliary lanes would provide an additional lane in each direction and would improve traffic circulation to and from San Francisco International Airport.
~	Describe any other freight issues.
g	N/A

Transit (bus, light rail, commuter rail, intercity rail, high speed rail):

		INITIAL PID INFORMATION		
	a	List all local transit providers that operate within the corridor.		
		Caltrain, Bayshore Caltrain, California High Speed Rail (CAHSR) (Future), Samtrans KX		
	b	Have transit agencies been contacted for possible project coordination? Y_/N_X If no, why not?		
		Will coordinate with transit agencies during the PA/ED phase		
	c	Describe existing transit services and transit features (bus stops, train crossings, and transit lines) within		
		the corridor.		
		A Caltrain line runs parallel to northbound US-101 up to the Sierra Point Parkway then turns west		
		crossing US-101 underneath the highway. Coordination will need to take place during the PS&E phase		

	for the widening of the US-101 mainline structure at Sierra Point Overhead. Coordination with SamTrans
	will also need to take place. Construction on the corridor may temporarily slow Caltrain travel times.
	Describe transit facility needs identified in short- and long-range transit plans and RTP. Describe how
d	these future plans affect the corridor.
	No change
	FINAL PID INFORMATION
	Describe how the proposed project integrates transit and addresses impacts to transit services and transit
e	facilities.
	No change
	Have transit alternatives and improvement features been considered in this project? Y_/N_X_ If yes,
f	describe. If no, why not?
	This project purpose and need does not include transit improvements.

# 9. Bicycle:

<u> </u>	Dicycle.
	INITIAL PID INFORMATION
	Does the facility provide for bicyclist safety and mobility needs? If no, please explain.
a	No, freeway facility does not contain bicycle facilities. Adjacent local roadways such as Bayshore
	Boulevard and Sierra Point Parkway contain bicycle facilities which will be maintained.
	Are any improvements for bicyclist safety and mobility proposed for this facility by any local agencies or
b	included in bicycle master plans? If yes, describe (including location, time frame, funding, etc.).
	No, none known at this time.
	Are there any external bicycle advocacy groups and bicycle advisory committees that should be included
	in the project stakeholder list? If so, provide contact information.
c	Yes, coordination with any external bicycle advocacy groups and bicycle advisory committees will occur
	in the PA/ED phase.
	FINAL PID INFORMATION
d	Will bicycle travel deficiencies be corrected? How or why not?
l a	N/A, no bicycle travel deficiencies known at this time.
0	How will this project affect local agency plans for bicycle safety and mobility improvements?
e	Coordination with any local agency regarding maintaining of bike lane will occur in the PA/ED phase.
	If the project is the construction of a new freeway or modification to an existing freeway, will it sever or
f	destroy existing provisions for bicycle travel? If yes, describe how bicycle travel provisions will be
1	included in this project.
	No

# 10. Pedestrian including Americans with Disabilities Act (ADA):

Does this facility provide for pedestrian safety and mobility needs? If so, describe pedestrian facilities.
Do continuous and well-maintained sidewalks exist? Are pedestrians forced to walk in the roadway at
any locations due to lack of adequate pedestrian facilities? Please explain.
Yes, sidewalks exist on some of the local roadways only, including NB Sierra Point Parkway off-ramp,
Oyster Point Blvd, and Candlestick Point Interchange. Other local streets do not contain pedestrian
facilities.
Are pedestrian crossings located at reasonable intervals?
Yes
Are all pedestrian facilities within the corridor ADA accessible and in compliance with Federal and State
ADA laws and regulations?
Yes
FINAL PID INFORMATION
Will pedestrian travel deficiencies be corrected? How or why not?
Yes, curb ramps at terminus of NB Sierra Point Pkwy off-ramp will be updated to current standards.
How will this project affect local agency plans for pedestrian safety and mobility improvements?
N/A, there are no known pedestrian deficiencies.

f	If the project is the construction of a new freeway or modification to an existing freeway, will it sever or destroy existing provisions for pedestrian travel? If yes, describe how pedestrian travel provisions will be included in this project.  No
g	Are there any external pedestrian advocacy groups and advisory committees that should be included in the project stakeholder list? If so, provide contact information.  No.
h	Have ADA barriers as noted in the District's ADA Transition Plan been identified within the project limits? If not included in the project, provide justification and indicate whether District Design coordinator approval was obtained.  No ADA barriers

11. Equestrian:

	INITIAL PID INFORMATION
a	If this corridor accommodates equestrian traffic, describe any project features that are being considered to improve safety for equestrian and vehicular traffic?
а	None
	FINAL PID INFORMATION
	Have features that accommodate equestrian traffic been identified? If so, are they included a part of this
b	project? Describe. If no, why not?
	No equestrian traffic within project limits.

12. Intelligent Transportation Systems (ITS):

	INITIAL PID INFORMATION
a	Have ITS features such as closed-circuit television cameras, signal timing, multi-jurisdictional or multimodal system coordination been considered in the project? Y_X_/N If yes, describe. If no, explain.  Yes, existing features including ramp metering, CCTV cameras, and traffic monitoring stations will be maintained.
	FINAL PID INFORMATION
b	Have ITS features been identified? If so, are they included a part of this project? Describe. If no, why not?  Yes, ramp metering, CCTV cameras, and traffic monitoring stations will be maintained.

# Attachment F: Right of Way Conceptual Cost Estimate Component

# CONCEPTUAL COST ESTIMATE - RIGHT OF WAY COMPONENT

To:		Date: March 13, 2015
From:		04-SM-101-PM 22.8/26.1 Project ID 04 1400 0256 EA 04-3G860 US 101 Auxiliary Lane Alternative 1
A Field Review was co.	nductedYesX_N	0
<b>Scope of the Right of</b>	Way	
Right of Way Required Number of ParcelsUrban Land Area: Displaced Perso Demolition/Cle Railroad Involvement	Rural Fee ons/BusinessesYes aranceYesXNo	26-5051-100>100  Easement X_No
Cost Estimates Support Costs	\$0-\$25,000 _X_\$25,001-\$100,000 \$100,001-\$250,000 \$250,001-\$500,000	\$500,001-\$1,000,000 \$1,000,001-\$5,000,000 \$5,000,001-\$10,000,000 \$10,000,000
Capital Costs	\$0-\$100,000 \$100,001-\$500,000 \$500,001-\$1,000,000 _\$1,000,001-\$5,000,000	\$5,000,001-\$15,000,000 \$15,000,001-\$50,000,000 \$50,000,001-\$100,000,000 _>\$100,000,000
Schedule	φ1,000,001 ψ3,000,000	
Dight of Way will room	ira 33 months to deliver a l	Pight of Way Cartification #1 from Final

Right of Way will require <u>33</u> months to deliver a Right of Way Certification #1 from Final R/W Maps. This estimate is based on a Right of Way Certification date of <u>September 2020</u>.

# **Areas of Concern**

Provide a description of areas in close proximity to the project footprint that are likely to result in complex right of way issues if impacted (i.e. junkyards, cemeteries, utility towers, etc.).

# None

# **Assumptions and Limiting Conditions**

Provide a description of assumptions and limiting conditions.

1. A construction and maintenance agreement and a service contract will be needed to construct the Sierra Point Overhead (OH) from within the railroad right of way.

# CONCEPTUAL COST ESTIMATE - RIGHT OF WAY COMPONENT

To:			Date: March 13, 2015	
From:			04-SM-101-PM 22.8/20 Project ID 04 1400 025 EA 04-3G860 US 101 Auxiliary Lane Alternative 2	6
A Field Review was cor	nductedYesX_1	No		
Scope of the Right of	Way			
Right of Way Required Number of ParcelsUrbanLand Area: F Displaced Perso Demolition/Clea Railroad Involvement	Fee         Yes           ons/Businesses         Yes           orance         Yes	26-50  EasementXNo _No	51-100>10	00
Cost Estimates				
Support Costs	\$0-\$25,000 _X_\$25,001-\$100,000 _\$100,001-\$250,000 _\$250,001-\$500,000	\$1,000,	01-\$1,000,000 001-\$5,000,000 001-\$10,000,000 00,000	
Capital Costs	\$0-\$100,000 \$100,001-\$500,000 \$500,001-\$1,000,000 _\$1,000,001-\$5,000,000	\$15,000 \$50,000	001-\$15,000,000 0,001-\$50,000,000 0,001-\$100,000,000	
Schedule	Ψ1,000,001 ψ2,000,000		,	
D. 1. CW		D: 1. CIV		

Right of Way will require <u>33</u> months to deliver a Right of Way Certification #1 from Final R/W Maps. This estimate is based on a Right of Way Certification date of <u>September 2020</u>.

# **Areas of Concern**

Provide a description of areas in close proximity to the project footprint that are likely to result in complex right of way issues if impacted (i.e. junkyards, cemeteries, utility towers, etc.).

# None

# **Assumptions and Limiting Conditions**

Provide a description of assumptions and limiting conditions.

1. A construction and maintenance agreement and a service contract will be needed to construct the Sierra Point Overhead (OH) from within the railroad right of way.

# **CONCEPTUAL COST ESTIMATE – RIGHT OF WAY COMPONENT**

To:			Date: March 13, 2015
From:	ndusted Ves V.N	Į <sub>o</sub>	04-SM-101-PM 22.8/26.1 Project ID 04 1400 0256 EA 04-3G860 US 101 Auxiliary Lane Alternative 3
	nductedYesX_N	NO	
Scope of the Right of	Way		
Right of Way Required Number of Parcels  X Urban Land Area: Displaced Pers Demolition/Cle Railroad Involvement	ription of the right of way income atX_YesNo	26-50 <u>X</u> No .No	51-100>100 Easement
Cost Estimates			
Support Costs	\$0-\$25,000 X_\$25,001-\$100,000 \$100,001-\$250,000 \$250,001-\$500,000	\$1,000,0	1-\$1,000,000 001-\$5,000,000 001-\$10,000,000
Capital Costs	\$0-\$100,000 \$100,001-\$500,000 _\$500,001-\$1,000,000	\$15,000	001-\$15,000,000 ,001-\$50,000,000 ,001-\$100,000,000
(Alternative 3	<u>X</u> \$1,000,001-\$5,000,000	>\$100,0	
Schedule			
			Yay Certification #1 from Final a date of <u>September 2020</u> .

# **Areas of Concern**

Provide a description of areas in close proximity to the project footprint that are likely to result in complex right of way issues if impacted (i.e. junkyards, cemeteries, utility towers, etc.).

1.	The right of way requirement is located within the parking lot of a hotel property.	Twenty (20)
	parking stalls will be impacted by the Project.	

# **Assumptions and Limiting Conditions**

Provide a description of assumptions and limiting conditions.

1. A construction and maintenance agreement and a service contract will be needed to construct the Sierra Point Overhead (OH) from within the railroad right of way.

# CONCEPTUAL COST ESTIMATE - RIGHT OF WAY COMPONENT

To:			Date: March 13, 2015
From:	nducted <u>Y</u> es <u>X</u> N	Jo.	04-SM-101-PM 22.8/26.1 Project ID 04 1400 0256 EA 04-3G860 US 101 Auxiliary Lane Alternative 4
	_	NO	
Scope of the Right of	Way		
Right of Way Required Number of ParcelsUrban Land Area: I Displaced Perso Demolition/Cle Railroad Involvement	Feeyes ons/BusinessesYes aranceYesX	26-50  EasementXNo _No	51-100>100
Cost Estimates			
Support Costs	\$0-\$25,000 _ <u>X</u> _\$25,001-\$100,000 \$100,001-\$250,000 \$250,001-\$500,000	\$1,000,	01-\$1,000,000 001-\$5,000,000 001-\$10,000,000 00,000
Capital Costs	\$0-\$100,000 \$100,001-\$500,000 \$500,001-\$1,000,000 \$1,000,001-\$5,000,000	\$15,000	001-\$15,000,000 0,001-\$50,000,000 0,001-\$100,000,000
Schedule			•
	ire <u>33</u> months to deliver a ate is based on a Right of W		

# **Areas of Concern**

Provide a description of areas in close proximity to the project footprint that are likely to result in complex right of way issues if impacted (i.e. junkyards, cemeteries, utility towers, etc.).

# None

# **Assumptions and Limiting Conditions**

Provide a description of assumptions and limiting conditions.

1. A construction and maintenance agreement and a service contract will be needed to construct the Sierra Point Overhead (OH) from within the railroad right of way.

# Attachment G: Project Risk Register

# **Project Risk Register**

	DICT	Project Name: US 101 Auxiliary Lane Project (Oyster Pt to SF Co Line)  Project Manager: Richelle Perez (CT) / Jim McKim (SMCTA)						Date Created:	Last Updated:						
	DIST-	EA	04-	-3680	oU .	Co - Rte - PM:	SM-101-22.8/26.1		Telephone:	Telephone: 510-286-4998 / 650-508-7944			01/15/15	01/15/15	
ITEM	ID#	Status	Threat / Opport-unity	Category	Date Risk Identified	Risk Description	Root Causes	Primary Objective	Overall Risk Rating	Risk Owner	Risk Trigger	Strategy	Response Actions w/ Pros & Cons	WBS Item	Status Date and Review Comments
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	i)	(k)	(1)	(m)	(n)	(p)	(p)
1	04-3G860-01	Active	Threat	ENV	10/08/14	Approval of BCDC Permit	BCDC Review	SCOPE	Probability 3=Med (20-39%)  Low	Jim McKim / Melanie Brent (650) 508-7944	BCDC comments on DED	MITIGATE	Reduce footrpint with design exceptions	165 PERFORM ENVIRONMENTAL STUDIES AND PREPARE DRAFT ENVIRONMENTAL DOCUMENT	
									Impact 2 =Low	mckimj@samtrans.com; Caltrans@dot.ca.gov					
П									Probablility 3=Med (20-39%)	Jim McKim / Melanie Brent				165 PERFORM	
2	04-3G860-02	Active	Threat	ENV	10/08/14	Approval by Regulatory Agencies including USFWS, ACOE, RWQCB, NMFS, SHPO	Regulatory agency review	TIME	Low	(650) 508-7944	Regulatory agency review comments on DED	MITIGATE	Reduce footrpint with design exceptions	ENVIRONMENTAL STUDIES AND PREPARE DRAFT ENVIRONMENTAL	
						0 0			Impact 2 =Low	mckimj@samtrans.com; Caltrans@dot.ca.gov				DOCUMENT	
									Probablility 3=Med (20-39%)	Jim McKim / Melanie Brent				175 CIRCULATE	
3	04-3G860-03	Active	Threat	DESIGN	10/08/14	City of Brisbane Controversy	Elimination of NB Bayshore Blvd. exit	SCOPE	Med	(650) 508-7944	Public Comment Period of Draft ED	MITIGATE	Perform public outreach to explain construction	DRAFT ENVIRONMENTAL DOCUMENT AND SELECT PREFERRED PROJECT	
									Impact 3 =Med	mckimj@samtrans.com; Caltrans@dot.ca.gov				ALTERNATIVE IDENTIFICATION	
									Probablility 3=Med (20-39%)	Jim McKim / Melanie Brent				165 PERFORM	
4	04-3G860-04	Active	Threat	ENV	10/08/14	Traffic Study	Deferred Study May Require change to Alternative	SCOPE	Med	(650) 508-7944	Traffic Study in PA/ED phase	ACCEPT	TEPA to identify necessary studies for	ENVIRONMENTAL STUDIES AND PREPARE DRAFT	
							onango to montanto		Impact 3 =Med	mckimj@samtrans.com; Caltrans@dot.ca.gov			PA/ED phase	ENVIRONMENTAL DOCUMENT	
Г									Probablility 3=Med (20-39%)	Jim McKim/Larry Moore					
5	04-3G860-05	Active	Threat	DESIGN	10/08/14	Justifying Design Exceptions	Mandatory and Advisory design exceptions may be required to minimize footprint	TIME	Low	(650) 508-7944	Caltrans does not approve Mandatory and Advisory design exceptions	AVOID	Work with Caltrans to approve design exceptions	165 PERFORM ENVIRONMENTAL STUDIES AND PREPARE DRAFT ENVIRONMENTAL	
L									Impact 2 =Low	mckimj@samtrans.com; Caltrans@dot.ca.gov				DOCUMENT	
									Probablility 2=Low (10-19%)	Jim McKim					
6	04-3G860-06	Active	Threat	DESIGN	10/08/14	Pavement Section Information	Limited available information	COST	Low	(650) 508-7944	Discover impacts during final	ACCEPT	Include additional cost in estimate and will study	165 PERFORM ENVIRONMENTAL STUDIES AND	
	34 <b>33300-00</b>	7.0470	Tilleat	DEGIGIN	10/00/14	Unknown	Ennited available information	5551			design or construction	ACCEPT	further in PA/ED and Design	PREPARE DRAFT ENVIRONMENTAL DOCUMENT	
									Impact 2 =Low	mckimj@samtrans.com					
									Probablility 3=Med (20-39%)	Jim McKim				175 CIRCULATE	
7	04-3G860-07	Active	Threat	DESIGN	10/08/14	Railroad Agreement & Service		TIME	Low	(650) 508-7944	Discussion during PA/ED	ACCEPT	Will consult with railroad	DRAFT ENVIRONMENTAL DOCUMENT AND	
				-23.5.		Contract	Rail preferred clearances may be required	· · · · · · · · · · · · · · · · · · ·	Impact 2 =Low	mckimj@samtrans.com; Caltrans@dot.ca.gov	phase		during PA/ED phase	SELECT PREFERRED PROJECT ALTERNATIVE IDENTIFICATION	

pproved by:\_\_\_\_\_\_date

# **Project Risk Register**

	DICT	DIST- EA 04-3G860  Project Name: US 101 Auxiliary Lane Project (Oyster Pt to SF Co Line)  Project Manager: Richelle Perez (CT) / Jim McKim (SMCTA)					Date Created:	Last Updated:												
	- ו פוע	EA	04	-3000	ou .	Co - Rte - PM:	SM-101-22.8/26.1		Telephone:	510-286-4998 / 650-508	3-7944			01/15/15	01/15/15					
ITEM	ID#	Status	Threat / Opport-unity	Category	Date Risk Identified	Risk Description	Root Causes	Primary Objective	Overall Risk Rating	Risk Owner	Risk Trigger	Strategy	Response Actions w/ Pros & Cons	WBS Item	Status Date and Review Comments					
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	i)	(k)	(I)	(m)	(n)	(p)	(q)					
									Probablility 3=Med (20-39%)	Jim McKim/DES				465 DEDECOM						
R	04-3G860-08	Active	Threat	DES	10/08/14	Sierra Point OH Replacement	Seismic Standards	COST	Low	(650) 508-7944	DES review of PSR/PDS	ACCEPT	CEPT Study further in PA/ED	165 PERFORM ENVIRONMENTAL STUDIES AND						
	04-30000-00	Active	Tilleat	DEG	10/00/14	olena i olin ori replacement	Geismie Glandards	0001	2011		BEG TONEW OF T GIVE BG	AGGELL	Olday futurer in 17 A/LD	PREPARE DRAFT ENVIRONMENTAL DOCUMENT						
L									Impact 2 =Low	mckimj@samtrans.com; Caltrans@dot.ca.gov										
									Probablility 3=Med (20-39%)	Jim McKim / Melanie Brent				165 PERFORM						
9	04-3G860-09	Active	Threat	ENV	10/08/14	Environmental Mitigation	Regulatory agencies require	COST	COST	COST	COST	COST	COST	Low	(650) 508-7944	Regulatory agency review	MITIGATE	Minimize Footprint	ENVIRONMENTAL STUDIES AND	
ľ	04 00000 00	710470	Tillout	Livv	10/00/14	Environmental Miligation	Environmental Mitigation	3001			comments on DED	nents on DED	Will illine i coopiilit	PREPARE DRAFT ENVIRONMENTAL DOCUMENT						
L												Impact 2 =Low	mckimj@samtrans.com; Caltrans@dot.ca.gov							
									Probablility 3=Med (20-39%)	Jim McKim				165 PERFORM						
10	04-3G860-10	Active	Threat	R/W	10/08/14	Objection for R/W acquisition	No public meetings or	TIME	Low	(650) 508-7944	Public Comment Period of	MITIGATE	Consult with property owners in public	ENVIRONMENTAL STUDIES AND						
	04-3G860-10	Active	meat	rs/vv	10/06/14	Objection for R/W acquisition	information/outreach		LOW		Draft ED	WITIGATE	hearing/outreach in PA/ED phase	PREPARE DRAFT ENVIRONMENTAL DOCUMENT						
									Impact 2 =Low	mckimj@samtrans.com				BOOMERT						

proved by:\_\_\_\_\_

# ATTACHMENT 1 STORMWATER DOCUMENTATION

	Dist-County	Route: <u>04-SM-</u>	101		
		nits: <u>PM 22.8/</u>	The second secon		
		Roadway Wid			
		r EA): <u>EA 04-3</u> (			
		ntification: <u>STI</u>			
	Phase:		PID		
Caltrans			PA/ED		
			PS&E		
Regional Water Quality Control Board(s): Sa	an Francisco E	Bay - Region 2			
Is the Project required to consider Treatme	nt BMPs?			Yes 🗵	No 🗆
If yes, can Treatment BMPs	be incorporate	ed into the pro	ject?	Yes ⊠	No 🗆
If No, a Technical D	ata Report mi	ust be submitt	ed to the RW0		110
at least 30 days pri	or to the proje	ects RTL date.		ist RTL Date: <u>11</u>	-1-2020
* ×		¥1.			
Total Disturbed Soil Area: 40.5 Acres Risk I	evel: 2 (Possi	bly RL 1 with a	added data)		
Estimated: Construction Start Date: 9-1-21		Construction	on Completion	Date: 11-1-20	23
Notification of Construction (NOC) Date to b	pe submitted:	9-1-2021			
Erosivity Waiver		Yes 🗌	Date:		No 🖾
Notification of ADL reuse (if Yes, provide da	te)	Yes 🗌	Date: TBD		_ No □
Separate Dewatering Permit (if yes, permit	number)	Yes 🗌			
This Report has been prepared under the dire	ection of the fo	illowing Licens:			
technical information contained herein and ti	ne date upon v	vhlch recomme	indations, con-	clusions, and de	on attests to the
based. Professional Engineer of Landscape A	rchitect stamp	required at PS	8&E.	2	i i
1/2-1/2:	)			3/	30/15
Natalina V. Bernardi, Registered Profession	al Engineer			1	Date
I have reviewed the stormwater quality decise	innues and fl	-4.6			
I have reviewed the stormwater quality design	i issues ariu III	na this report to	De complete,	current and ac	curate:
Rich	MUSD	Do			Religion ance
Richelle	Perez Ploiec	t Manager			04/14/2013
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Designe	<del>2</del>				

Ling Form - Storm Water Data Resort

## STORM WATER DATA INFORMATION

# 1. Project Description

- Area of Potential Affect has been evaluated for all alternatives. Alternative 1 is the least environmentally damaging alternative and Alternative 3 is the most environmentally damaging alternative. Therefore, Alternative 3 shall be used to prepare the Storm Data Water Report.
- The Project is located within the Cities of Brisbane and South San Francisco, County of San Mateo, California on US101, PM 22.8 to 26.1 (see Project Location Map in Attachments). The Project proposes to add auxiliary lanes along US-101 in both directions from Oyster Point Boulevard in the south to Harney Way/Beatty Avenue in the north. The following are the auxiliary lane locations:
  - Dual auxiliary lanes Northbound Oyster Point Boulevard on-ramp to Bayshore Boulevard off-ramp
  - Northbound Bayshore Boulevard off-ramp to Candlestick Point off-ramp
  - Dual auxiliary lanes Southbound Candlestick Point on-ramp to Sierra Point Parkway off-ramp
  - Southbound Sierra Point Parkway off-ramp to Oyster Point Boulevard East offramp

The Project also proposes to realign the northbound Sierra Point Parkway off-ramp and the northbound Bayshore Boulevard off-ramp by removing the northbound Bayshore Boulevard off-ramp and instead proposes a collector road which serves both the Sierra Point Parkway off-ramp and a ramp connection over US 101 to Bayshore Boulevard. The Sierra Point Off-ramp Overhead (Bridge No. 35-0130S) and the Sierra Point Off-ramp Separation (Bridge No. 35-0131S) will need to be reconstructed for these new ramp alignments. Seven retaining walls will be required with this alternative. Widening of the Sierra Point Overhead (Bridge No. 35-0130) is also required.

- Funding for the Project was identified to be provided by both Measure A and the State Transportation Improvement Program (STIP). The Project is estimated to begin construction in September 2021 and end in November 2023.
- Disturbed Soil Areas (DSA) was calculated using AutoCAD Civil 3-D and electronic topography. The total DSA is approximately 40.5 acres. The total DSA does not include staging area.
- Additional impervious areas will be 28.6 acres, which is the result of widening US-101 to add the auxiliary lanes.
- The project lies within the Cities of Brisbane, and South San Francisco MS4.

# 2. Site Data and Storm Water Quality Design Issues (refer to Checklists SW-1, SW-2, and SW-3)

- The Project is located within Central Basin, San Mateo Creek-Frontal San Francisco Bay Estuaries with Hydraulic Unit Code (HUC) 180500040904 and hydrologic Sub-Area 204.40. The receiving water for the project limits is San Francisco Bay (Lower).
- The Project discharges to the confluence of several unlined and lined ditches, and unnamed creeks along the US-101 and then to the San Francisco Bay (Lower). It does not discharge directly into San Francisco Bay (Lower).
- San Francisco Bay (Lower) is listed on the 2006 Clean Water Act (CWA) Section 303(d)
  List as an impaired water body for the San Francisco Bay RWQCB. Table 2.1 listed the
  pollutant/stressor and potential sources for San Francisco Bay (Lower).

Table 2.1 – 2006 CWA Section 303(d) List – San Francisco Bay (Lower)						
Pollutant	Source					
Mercury	Atmospheric Deposition, Industrial, Municipal, Natural, Resource Extraction, Urban Runoff/Storm Sewers					

The Project will require a project specific 401 Certification from the Water Quality Control Board for proposed grading within a tidal wetlands in the vicinity of project station 122+00 in the low-lying area east of the on-ramp.

According to the Water Quality Control Board's Hydro-Modification map (Attachment L), the project is exempted from hydrograph modification requirements.

For the treatment controls required by the Water Board, the treatment shall be the full spectrum of stormwater pollutant constituents, including, but not limited to total suspended solids, total dissolved solids, metals, trash, and any pollutants of concern. In addition, since the Project is located in the County of San Mateo, the treatment controls shall in compliance with the San Mateo County C.3 Stormwater Technical Guidance. Details of treatment controls shall be developed during PS&E phase.

- There are no existing drinking water reservoirs or recharge facilities within project limits.
- San Francisco Bay is under the jurisdiction of the San Francisco Bay RWQCB Water Quality Plan (Basin Plan) for the Central Basin, San Francisco Bay (Lower). The Basin

Plan does not contain any special requirement for the San Francisco Bay (Lower). Local agencies have no current requirements.

In the Basin Plan, San Francisco Bay (Lower) is listed for the following existing beneficial uses:

- Commercial and Sport Fishing
- Estuarine Habitat
- Industrial Service Supply
- Fish Migration
- Navigation
- Preservation of Rare and Endangered Species
- Water Contract Recreation
- Noncontact Water Recreation
- Shellfish Harvesting
- Fishing Spawning
- Wild Habitat
- The traditional raining season dates are from October 15 to April 15. It is generally encourage that major earthwork be scheduled during non-raining season dates. There are no restrictions required by federal, state or local agencies that regulate dates for construction activity. Erosion control measures are required year round.
- The Project is situated within San Mateo County, between San Bruno Mountain State Park and the San Francisco Bay. The ground naturally slopes from the San Bruno Mountain State Park towards San Francisco Bay.
- The Project is located in a Mediterranean climate characterized by warm, dry summer and mild, wet winters. The mean annual rainfall in the project area is approximately 22 inches.
- Based on information from the NRCS Soil Survey, soils underlying the project area consist of Orthents, cut and fill, 15 to 75 slopes, and Urban land-Orthents, reclaimed complex, 0 to 2 percent slopes. The soil is determined to be Hydrologic Soil Group classification of "D". Since the Project is running along the shoreline of San Francisco Bay, the water table is near mean sea level.
- The Project sites are categorized with a Risk Level 2 in which Sediment Risk is medium and receiving water risk is low (see Risk Level determinations in Attachments). It may be possible to change the Project to Risk Level 1 using site specific soil characteristic data or by reducing the length of construction.

- Concentration of aerially deposited lead (ADL) will be determined in the PA/ED phase of the Project.
- Presently, there are no known areas outside of the State Right of Way that need to be included in this project. Adjacent areas around the project are mostly commercial establishments and minor open land.
- Currently, it has been determined that there are no right of way BMP costs and funding needed in this project as all works will be within the State Right of Way.
- The project will avoid creating new slopes and modifying existing ones. There are no existing slopes within the project limits that are of concern for slope stabilization.
- Project will be scheduled or phased to minimize soil-disturbing work when it is raining.
- There are no existing stormwater treatment BMPs within the project limits.
- Stormwater treatment in the form of biotreatment will occur within the project site. The project will add about 28.6 acres of impervious surface.

Utilizing retaining walls and barriers, the roadway widening is mostly on fill with a small portion in cut condition. Fill areas will be limited to slope of 4:1 (H:V) or flatter. Cut areas would be limited to slope of 2:1 or flatter. All other areas are relatively the same elevation as existing conditions. Details and calculations will be determined at the PS&E phase.

Maintenance will be from frontage roads along the southbound US-101 or on the highway and ramps. The project would require an approximately 13, 855 square feet of right-of-way acquisition from the southwest corner of the northbound Sierra Point Parkway off-ramp intersection. Alternatives 1, 2, and 4 do not require right of way acquisition.

Based on preliminary design, the addition of traffic lanes has resulted in less than 50 percent of the impervious surface of an existing street. Therefore, only the new and/or replaced impervious surface of the project is included in the treatment system design in accordance to the Municipal Regional Stormwater Permit NPDES Permit, dated October 14, 2009, Provision C.3 under which projects in San Mateo County fall.

Using the Flow Based method for sizing biotreatment areas from San Mateo County C.3 Technical Guidance, a total of 67,300 square feet of treatment area are required. There is sufficient area for treatment in the vicinity of Sierra Point Parkway (vicinity of

There is sufficient area for treatment in the vicinity of Sierra Point Parkway (vicinity of Station 125+00), and near the Lagoon Way on/off-ramps (vicinity of Station 65+00). It will not be possible to segregate existing pavement from proposed pavement at these locations and all roadway runoff must be treated. It is anticipated that credit for treatment of existing pavement will offset portions of the site where stormwater treatment is not practical. Depending on environmental constraints, it may be possible to provide linear biotreatment swales parallel to the roadway. Further details will be established during PS&E to determine whether construction of these areas would require grading in tidal wetlands.

	Pre-Project	Post Project	Reworked	Added	Removed	Treatment
	Pavement	Pavement	Pavement	Impervious	Area	Obligation
	Area (Acre)	Area (Acre)	Area (Acre)	Area (Acre)	(Acre)	(Square feet)
Alternative 1	37.7	37.9	9.6	0.2	0.5	16,800
Alternative 2	37.7	38.9	10.5	1.2	0.5	20,400
Alternative 3	37.7	66.3	10.0	28.6	1.9	67,300
Alternative 4	37.7	63.2	10.1	25.5	0.5	62,100

# 3. Regional Water Quality Control Board Agreements

 There are currently no negotiated understandings or agreements with RWQCB pertaining to this project. The Project will comply with the State Construction General Permit and will be required to obtain a 401 Permit.

# 4. Proposed Design Pollution Prevention BMPs to be used on the Project.

# <u>Downstream Effects Related to Potentially Increased Flow, Checklist DPP-1, Parts 1 and 2</u>

- There will be downstream effects related to potentially increased flow due to increased impervious areas by the project. The net increase of impervious area is 28.6 acres.
   Existing drainage systems will be modified by the Project, but will generally follow the existing drainage pattern.
- Since the Project is located within the County of San Mateo, the Regional Water Quality Control Board required the Project must be in compliance with the County of San Mateo C.3 guidelines when 401 Certification involved.
- Hydrograph modification is not required by the County. According to the County of San Mateo Hydro-Modification Control Map of the San Mateo C.3 Guidelines, the project area is exempt from the hydrograph modification requirements shown in the Municipal Regional Permit (Attachment L). Other portions of the project discharge

directly to San Francisco Bay and would have insignificant impacts to the conveyance facilities to the Bay. Brisbane Lagoon is hydraulically connected to the Bay and the proposed modifications drain to Brisbane Lagoon with a time of concentration significantly less than the remaining portion of the Brisbane Lagoon drainage area. BKF recommends that this runoff be allowed to discharge in an efficient manner to allow release to the Bay prior to the peak of the Brisbane Lagoon system reaching the outfall. Local stormwater detention will be provided to reduce peak flows for the roadway between about Stations 125+00 and 165+00. This portion of the proposed roadway improvements drain to the Bay through local drainage facilities. Stormwater detention is proposed within oversized pipes and peak flows will be reduced such that the post-construction 25-year peak flow rate will be less than or equal to the preproject 25-year flow rate.

# Slope/Surface Protection Systems, Checklist DPP-1, Parts 1 and 3

- Cut and fill slopes will be part of the proposed project. Slope rounding will be incorporated at all location where slopes will be modified or created. Fill areas will be limited to slope of 4:1 (H:V) or flatter. Cut areas would be limited to slope of 2:1 or flatter. All other areas are relatively the same elevation as existing conditions.
- Erosion Control (Hydroseed) will be applied to exposed soil areas to assist in stabilizing the project area.
- Existing slopes are stable and vegetated. Proposed slopes will incorporate Erosion Control (Hydroseed) and fiber rolls.
- Contrasting surface treatment will be applied adjacent to the modified gore area up to 20 feet wide for ease of maintenance.

# Concentrated Flow Conveyance Systems, Checklist DPP-1, Parts 1 and 4

 Inlets, pipe culverts, and lined and unlined ditches will be used to convey storm runoff from impervious areas. Existing trapezoidal ditch located on east side of Sierra Point Parkway northbound off-ramp will be modified to U-shape to meet Project's need.

# <u>Preservation of Existing Vegetation, Checklist DPP-1, Parts 1 and 5</u>

 Existing vegetation will be preserved to the maximum extent possible. Temporary fencing (Type ESA) will be proposed to delineate areas of preservation within the project limits. The fencing is not exclusive to the protection of existing vegetation. The fencing will encompass the protection of any other known sensitive areas that are determined during PA/ED phase. Permanent erosion measures will be applied to any disturbed slopes.

# 5. Proposed Permanent Treatment BMPs to be used on the Project

The Regional Water Quality Control Board requires compliance with San Mateo County, Section C.3.when 401 certification is needed. The Municipal Regional Permit excludes all Caltrans-approved Treatment BMPs except Biofiltration Strips and Infiltration Devices. The Regional Water Quality Control Board prefers treatment BMPs based on bioretention technology,

# <u>Treatment BMP Strategy, Checklist T-1</u>

 The Targeted Design Constituents for the project are those associated with roadway runoff, including lead, zinc, iron, chromium, cadmium, nickel, and copper. Treatment BMP is required. It is anticipated that biofiltration strips and linear bioretention swales would be used to treat 100 percent of the net increased impervious area.

# Biofiltration Swales/Strips, Checklist T-1, Parts 1 and 2

Biofiltration strips and linear bioretention swales will be used to the maximum extent possible and incorporated into design in PS&E phase.

# Dry Weather Diversion, Checklist T-1, Parts 1 and 3

 Dry weather diversions are not required since the receiving water bodies do not received summer flows.

### Infiltration Devices - Checklist T-1, Parts 1 and 4

The project is located over an improved land in which the earth has been compacted.
 An equivalent Hydrologic Soil Group rating D is assigned due to previous compacting of the soil. Infiltration device is not feasible for the Project since this soil group does not provide effective infiltration.

# Detention Devices, Checklist T-1, Parts 1 and 5

Detention devices are not being considered for the Project.

# Gross Solids Removal Devices (GSRDs), Checklist T-1, Parts 1 and 6

• Gross solids removal devices (GSRDs) are not required since the San Francisco Bay (Lower), the receiving water body, is not listed on the 303(d) list for litter or trash.

# Traction Sand Traps, Checklist T-1, Parts 1 and 7

Traction sand traps are not required since traction sand is not used in the project area.
 Traction sand is used in areas where sand is placed to provide traction on icy or snow-convered roads and is not necessary in the project area.

### Media Filters, Checklist T-1, Parts 1 and 8

 Media filters (Delaware and Austin Sand Filters) are not an accepted treatment device in the San Francisco Bay region.

# Multi-Chambered Treatment Trains (MCTTs), Checklist T-1, Parts 1 and 9

• Similar to media filters, muti-chamber treatment train (MCTT) are not an accepted treatment device in the San Francisco Bay region.

## Wet Basins, Checklist T-1, Parts 1 and 10

Wet basins are not an accepted treatment device in the San Francisco Bay region.

# 6. Proposed Temporary Construction Site BMPs to be used on Project

- The following Construction Site BMPs are anticipated to be used:
  - Job Site management
  - Concrete Washouts
  - Temporary Fiber Roll
  - Temporary Construction Entrances/Exits
  - Temporary Drainage Inlet Protection
  - Temporary Cover
- The following non-stormwater Construction Site BMPs would fall under Job Site Management:
  - NS-1 Water Conservation Practices
  - NS-3 Paving and Grinding Operations
  - NS-7 Potable Water/Irrigation
  - NS-8 Vehicle and Equipment Cleaning
  - NS-9 Vehicle and Equipment Fueling
  - NS-10 Vehicle and Equipment Maintenance
  - NS-12 Concrete Curing
  - NS-14 Concrete finishing
  - WM-8 Concrete Waste Management
  - WM-1 Material Delivery and Storage
  - WM-2 Material Use
  - WM-3 Stockpile Management
  - WM-4 Spill Prevention and Control
  - WM-5 Solid Waste Management
  - WM-6 Hazardous Waste Management
  - WM-Sanitary/Septic Waste Management

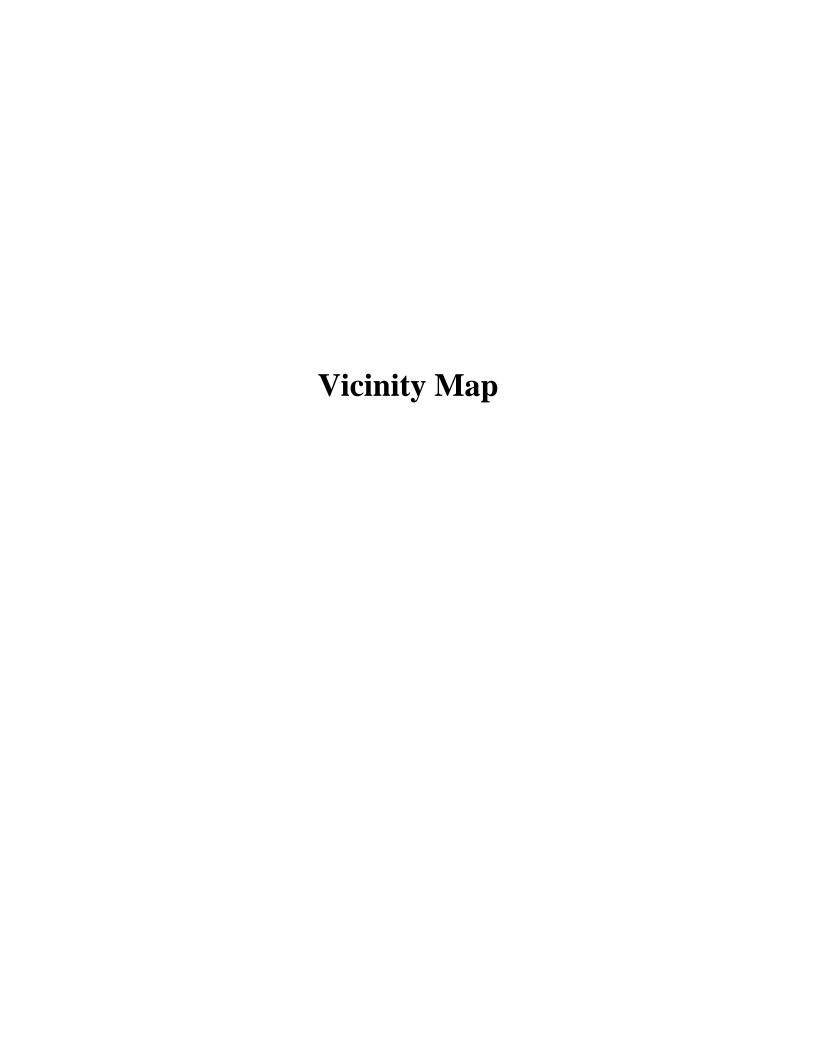
- WM-10 Liquid Waste Management
- SS-7 Geotextile, Mat, Plastic Covers, and Erosion Control Blankets

# 7. Maintenance BMPs (Drain Inlet Stenciling)

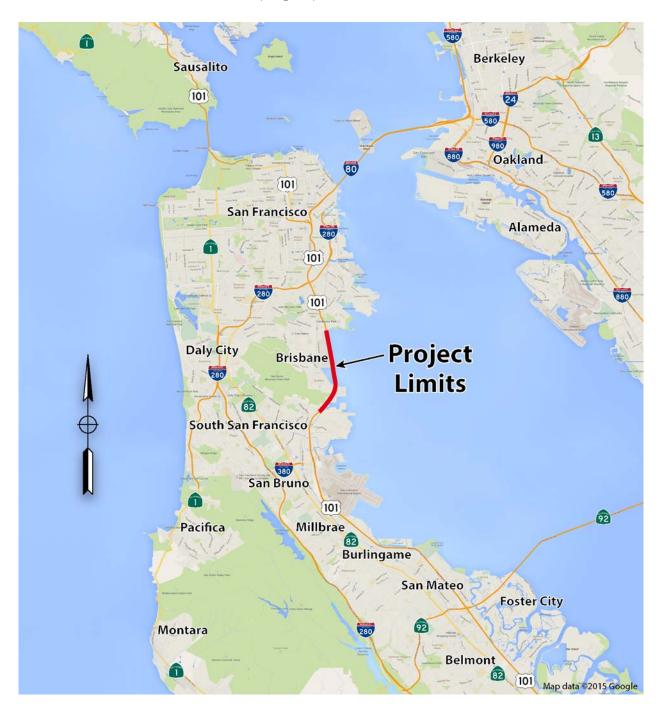
 Drainage inlet stenciling is not required, since ramps are not accessible to pedestrians and bicycle traffic.

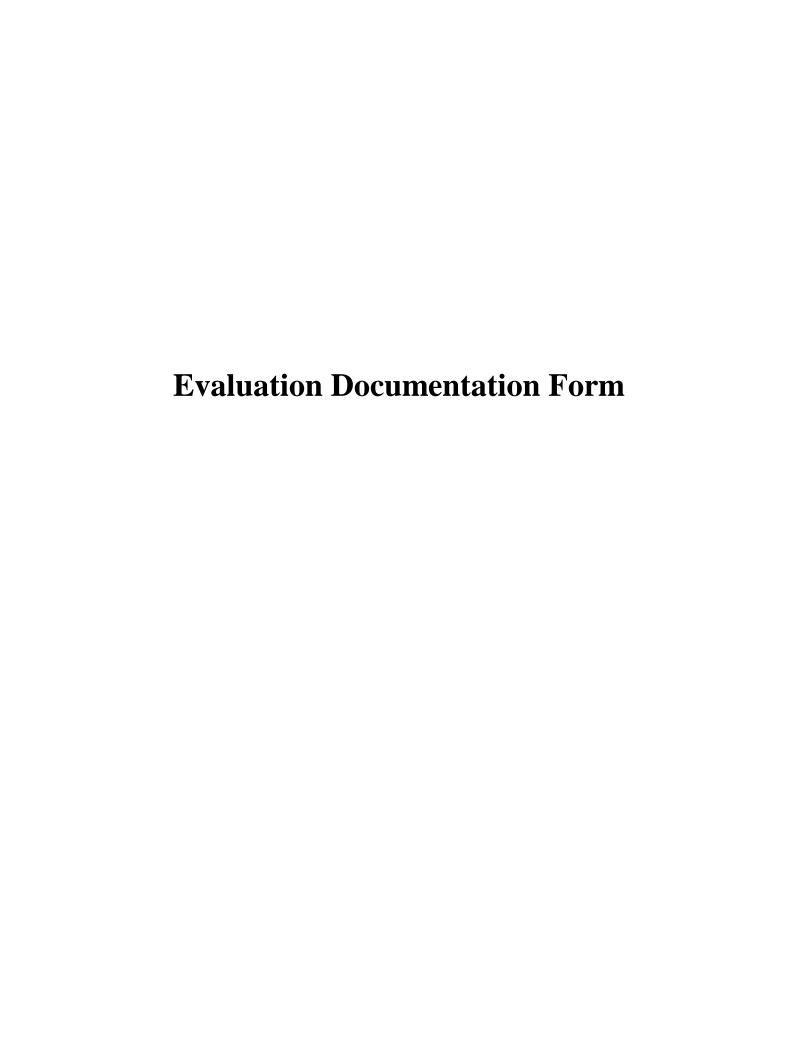
### 8. Attachments

- A. Vicinity Map
- B. Evaluation Documentation Form (EDF)
- C. Risk Level Determination Documentation
- D. Project Cost Estimates (Alternative 3)
- E. Project Geometrics Approval Drawing and Typical Sections (Alternative 3)
- F. Checklist SW-1, Site Data Sources
- G. Checklist SW-2, Storm Water Quality Issues Summary
- H. Checklist SW-3, Measures for Avoiding or Reducing Potential Storm Water BMPs
- I. Checklists DPP-1, Parts 1–5 (Design Pollution Prevention BMPs)
- J. Checklists T-1, Parts 1–2 (Treatment BMPs)
- K. Memorandum of California Department of Transportation Post-Construction Stormwater and Hydromodification Standards
- L. Water Quality Control Board's Hydro-Modification Map & Hydro-Modification Control Area in Selected Areas of San Mateo County



#### **VICINITY MAP**



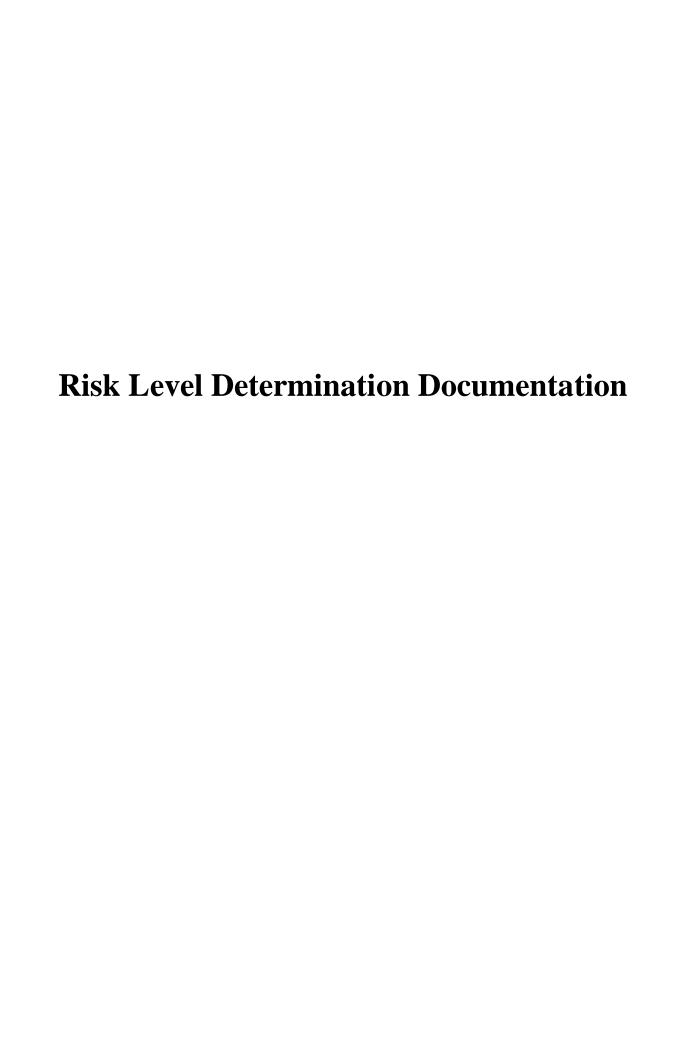


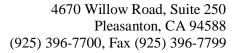
DATE: <u>01/27/2015</u>

Project ID ( or EA): <u>EA 04-3G860</u>

NO.	CRITERIA	YES	NO ✓	SUPPLEMENTAL INFORMATION FOR EVALUATION		
1.	Begin Project Evaluation regarding requirement for consideration of Treatment BMPs	<b>&gt;</b>		See Figure 4-1, Project Evaluation Process for Consideration of Permanent Treatment BMPs. Go to 2		
2.	Is this an emergency project?		✓	If <b>Yes</b> , go to 10. If <b>No</b> , continue to 3.		
3.	Have TMDLs or other Pollution Control Requirements been established for surface waters within the project limits? Information provided in the water quality assessment or equivalent document.		<b>✓</b>	If Yes, contact the District/Regional NPDES Coordinator to discuss the Department's obligations under the TMDL (if Applicable) or Pollution Control Requirements, go to 9 or 4.  (Dist./Reg. SW Coordinator initials)  If No, continue to 4.		
4.	Is the project located within an area of a local MS4 Permittee?	✓		If <b>Yes</b> . (Cities of Brisbane and South San Francisco), go to 5.  If <b>No</b> , document in SWDR go to 5.		
5.	Is the project directly or indirectly discharging to surface waters?	✓		If <b>Yes</b> , continue to 6. If <b>No</b> , go to 10.		
6.	Is it a new facility or major reconstruction?	✓		If <b>Yes</b> , continue to 8. If <b>No</b> , go to 7.		
7.	Will there be a change in line/grade or hydraulic capacity?			If <b>Yes</b> , continue to 8. If <b>No</b> , go to 10.		
8.	Does the project result in a <u>net</u> increase of one acre or more of new impervious surface?	<b>√</b>	If <b>Yes</b> , continue to 9. If <b>No</b> , go to 10.  19.8 acres (Net Increase New Impervious S			
9.	Project is required to consider approved Treatment BMPs.	✓	See Sections 2.4 and either Section 5.5or 6.5 for BMP Evaluation and Selection Process. Complete Checklist T-1 in this Appendix E.			
10.	Project is not required to consider Treatment BMPs(Dist./Reg. Design SW Coord. Initials)(Project Engineer Initials)(Date)		Document for Project Files by completing this form, and attaching it to the SWDR.			

See Figure 4-1, Project Evaluation Process for Consideration of Permanent Treatment BMPs







#### TECHNICAL MEMORANDUM

**Date:** March 15, 2015 **BKF No.:** 20107068-20

**To:** Caltrans – District 4 Copies To:

From: Dat Nguyen, P.E.

**Subject: EA 04-3G860** 

04-SM-101-22.8/26.1

San Mateo County US 101 Auxiliary Lanes – Oyster Point Interchange to

Candlestick Point Interchange SWPPP Risk Factor Analysis

#### **SWPPP Risk Factor Analysis**

The following documents the risk level for compliance with the construction general permit for the US 101 Auxiliary Lanes – Oyster Point Interchange to Candlestick Point Interchange Project (Project) in the cities of Brisbane and South San Francisco. The project vicinity map is attached.

#### **Sediment Risk Factor**

The Sediment Risk Factor is the combination of three factors; rainfall erosivity (R-Factor), soil erodibility (K-Factor), and the effect of topography (LS-Factor).

Rainfall erosivity factor (R-Factor) is calculated based on amount of anticipated rainfall during period of construction. The project has a start date of September 1, 2021 and will be completed by November 1, 2023. The rainfall erosivity factor is 118.52 as determined from the link to an R-Factor calculator as referenced from the Risk Determination Worksheet provided on the State Water Resource Control Board website.

Soil erodibility factor (K-Factor) is based on the texture of the soil at the project site. Soil particle size distribution was checked using a web soil survey tool from the National Resources Conservation Services (NRCS) website. The soil is listed as urban orthent with associated K-Factor value of 0.32.

The topography (LS-Factor) is based on the effect of hillslope-length and the hillslope-gradient. The LS-Factor calculated for the Project is 0.42.

The R value is 114.64. The K value is 0.32. LS factor is 0.42.

For these conditions, the Site Sediment Risk Factor is 15.4, which qualifies as medium sediment risk.

#### **Receiving Water Risk Factor**

The Receiving Water Risk Factor is based on the characteristics of the receiving watershed. There are two criteria for a receiving waterbody being High Risk.

- (1) Does the disturbed area discharge (either directly or indirectly) to a 303(d)-listed waterbody impaired by sediment?
- (2) Does the disturbed area discharge (either directly or indirectly) to a Creek with designated beneficial uses of spawn, cold and migratory?

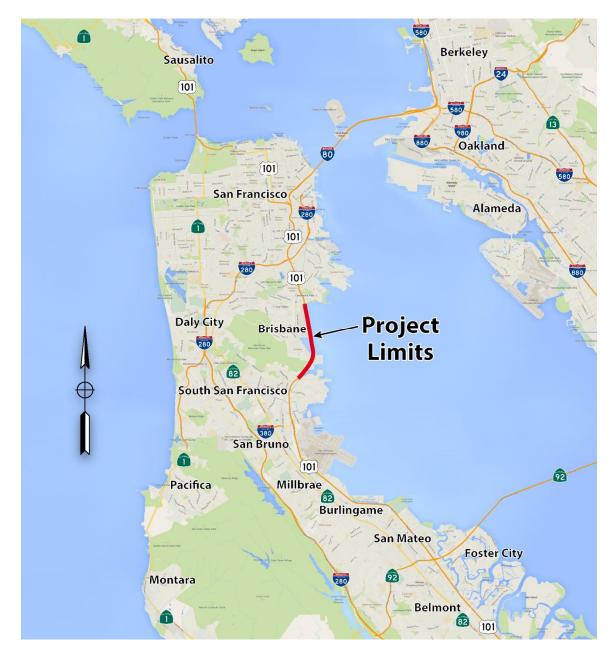
The Project discharges indirectly to San Francisco Bay (Lower), which is a 303(d)-listed sediment impaired waterbody.

The Receiving Water Risk Factor is High for the Project.

#### **SWPPP Risk Factor**

The Project is medium sediment risk and high receiving water risk, the Project is Risk Level 2.

Figure 1 – Vicinity Map





http://water.epa.gov/polwaste/npdes/stormwater/LEW-Results.cfm

Water: Stormwater

You are here: Water Pollution Prevention & Control Permitting (NPDES) Stormwater LEW Results

#### **LEW Results**

#### **Rainfall Erosivity Factor Calculator for Small Construction Sites**

#### **Facility Information**

 Start Date:
 09/01/2021

 End Date:
 11/01/2023

 Longitude:
 37.6730

 Longitude:
 -122.3905

#### **Erosivity Index Calculator Results**

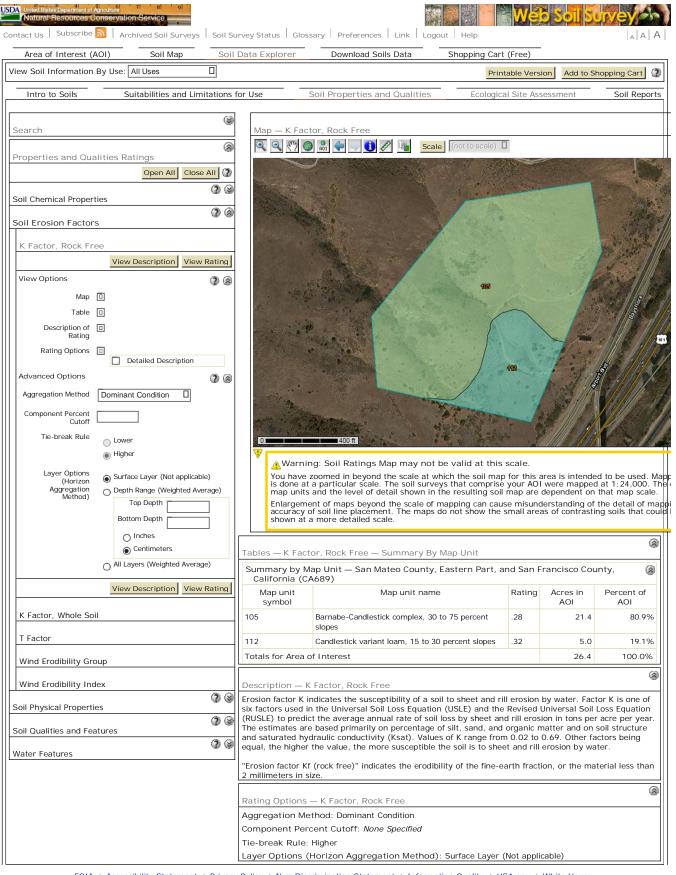
AN EROSIVITY INDEX VALUE OF 118.52 HAS BEEN DETERMINED FOR THE CONSTRUCTION PERIOD OF 09/01/2021 - 11/01/2023.

A rainfall erosivity factor of 5.0 or greater has been calculated for your site and period of construction. You do NOT qualify for a waiver from NPDES permitting requirements.

Start Over

Last updated on Monday, July 28, 2014

Web Soil Survey Page 1 of 1



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- > Erosion Factors
- > Calculate Erosion
- > Resources
- > Contact Us
- > Acknowledgement

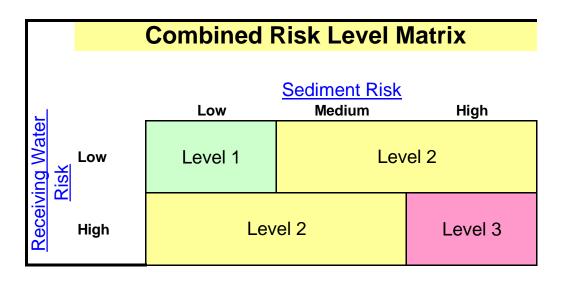
#### LS Table for Construction Sites

The following table shows LS factors for freshly prepared constructed and other highly disturbed soil condition with little or no cover (not applicable to thawing soil)

Slope (%)								SI	ope Le	ength (	ft.)						
	<3	6	9	12	15	25	50	75	100	150	200	250	300	400	600	800	1000
0.2	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06
0.5	0.07	0.07	0.07	0.07	0.07	0.07	80.0	0.08	0.09	0.09	0.10	0.10	0.10	0.11	0.12	0.12	0.13
1.0	0.09	0.09	0.09	0.09	0.09	0.10	0.13	0.14	0.15	0.17	0.18	0.19	0.20	0.22	0.24	0.26	0.27
2.0	0.13	0.13	0.13	0.13	0.13	0.16	0.21	0.25	0.28	0.33	0.37	0.40	0.43	0.48	0.56	0.63	0.69
3.0	0.17	0.17	0.17	0.17	0.17	0.21	0.30	0.36	0.41	0.50	0.57	0.64	0.69	0.80	0.96	1.10	1.23
4.0	0.20	0.20	0.20	0.20	0.20	0.26	0.38	0.47	0.55	0.68	0.79	0.89	0.98	1.14	1.42	1.65	1.86
5.0	0.23	0.23	0.23	0.23	0.23	0.31	0.46	0.58	0.68	0.86	1.02	1.16	1.28	1.51	1.91	2.25	2.55
6.0	0.26	0.26	0.26	0.26	0.26	0.36	0.54	0.69	0.82	1.05	1.25	1.43	1.60	1.90	2.43	2.89	3.30
8.0	0.32	0.32	0.32	0.32	0.32	0.45	0.70	0.91	1.10	1.43	1.72	1.99	2.24	2.70	3.52	4.24	4.91
10.0	0.35	0.37	0.38	0.39	0.40	0.57	0.91	1.20	1.46	1.92	2.34	2.72	3.09	3.75	4.95	6.03	7.02
12.0	0.36	0.41	0.45	0.47	0.49	0.71	1.15	1.54	1.88	2.51	3.07	3.60	4.09	5.01	6.67	8.17	9.57
14.0	0.38	0.45	0.51	0.55	0.58	0.85	1.40	1.87	2.31	3.09	3.81	4.48	5.11	6.30	8.45	10.40	12.23
16.0	0.39	0.49	0.56	0.62	0.67	0.98	1.64	2.21	2.73	3.68	4.56	5.37	6.15	7.60	10.26	12.69	14.96
20.0	0.41	0.56	0.67	0.76	0.84	1.24	2.10	2.86	3.57	4.85	6.04	7.16	8.23	10.24	13.94	17.35	20.57
25.0	0.45	0.64	0.80	0.93	1.04	1.56	2.67	3.67	4.59	6.30	7.88	9.38	10.81	13.53	18.57	23.24	27.66
30.0	0.48	0.72	0.91	1.08	1.24	1.86	3.22	4.44	5.58	7.70	9.67	11.55	13.35	16.77	23.14	29.07	34.71
40.0	0.53	0.85	1.13	1.37	1.59	2.41	4.24	5.89	7.44	10.35	13.07	15.67	18.17	22.95	31.89	40.29	48.29
50.0	0.58	0.97	1.31	1.62	1.91	2.91	5.16	7.20	9.13	12.75	16.16	19.42	22.57	28.60	39.95	50.63	60.84
60.0	0.63	1.07	1.47	1.84	2.19	3.36	5.97	8.37	10.63	14.89	18.92	22.78	26.51	33.67	47.18	59.93	72.15

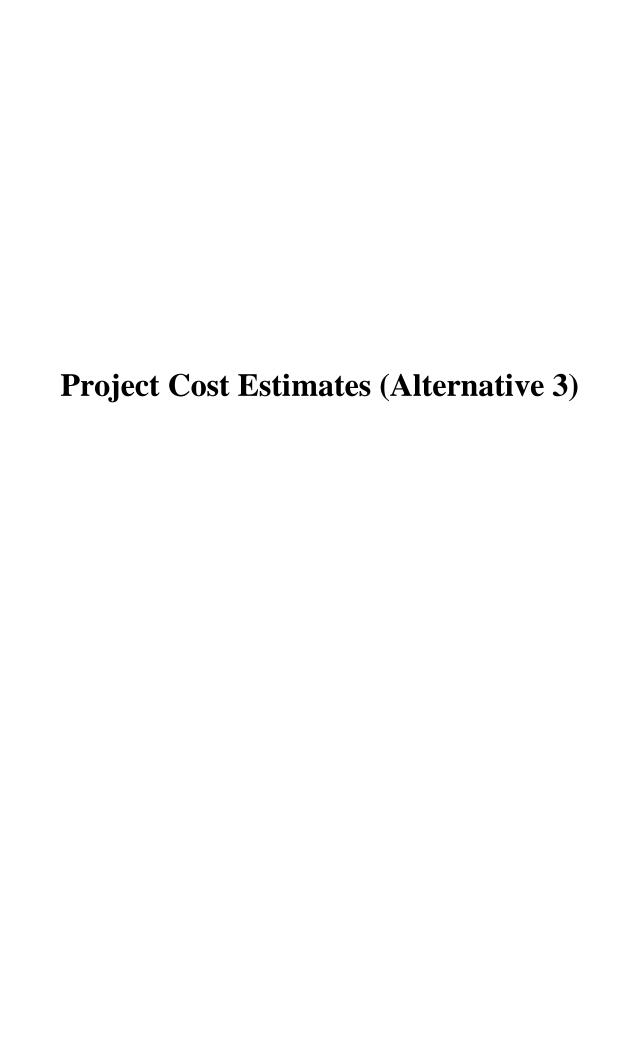
Copyright ©2002 Institute of Water Research, Michigan State University  $\frac{LS}{Factor} = \frac{132(152)}{150020} + \frac{191(52)}{150020} + \frac{139(292)}{150020} + \frac{132(232)}{150020}$   $\frac{LS}{LS} = 0.42$ LS= .32 LS = 139 S=10% 5=5% 5=5% 5=5% AKEA = 3.17 A(. A=1.01 AC A=361 A=4.69 (15%) A=1.01 AC 18% L= 50 LS=,50 S=56 A=5.16 L=40 15=.39 5=5% TOTAL ACRE: 19,87 AC A- 2-23 A.C

	A	В	С		
1	Sediment Risk Factor Worksheet		Entry		
	A) R Factor				
3	Analyses of data indicated that when factors other than rainfall are held constant, soil loss is directly rainfall factor composed of total storm kinetic energy (E) times the maximum 30-min intensity (I30) (Smith, 1958). The numerical value of R is the average annual sum of El30 for storm events during a least 22 years. "Isoerodent" maps were developed based on R values calculated for more than 100 Western U.S. Refer to the link below to determine the R factor for the project site.	Wischm rainfall	neier and record of at		
4	http://cfpub.epa.gov/npdes/stormwater/LEW/lewCalculator.cfm	-			
5	R Factor	Value	114.64		
6	B) K Factor (weighted average, by area, for all site soils)				
7	The soil-erodibility factor K represents: (1) susceptibility of soil or surface material to erosion, (2) training sediment, and (3) the amount and rate of runoff given a particular rainfall input, as measured under Fine-textured soils that are high in clay have low K values (about 0.05 to 0.15) because the particles detachment. Coarse-textured soils, such as sandy soils, also have low K values (about 0.05 to 0.2) infiltration resulting in low runoff even though these particles are easily detached. Medium-textured so loam, have moderate K values (about 0.25 to 0.45) because they are moderately susceptible to parthey produce runoff at moderate rates. Soils having a high silt content are especially susceptible to K values, which can exceed 0.45 and can be as large as 0.65. Silt-size particles are easily detached producing high rates and large volumes of runoff. Use Site-specific data must be submitted.	a standa are res because oils, suc ticle det erosion	ard condition. istant to e of high th as a silt achment and and have high		
8	Site-specific K factor guidance				
9	K Factor	Value	0.32		
10	C) LS Factor (weighted average, by area, for all slopes)	-			
11	The effect of topography on erosion is accounted for by the LS factor, which combines the effects of factor, L, and a hillslope-gradient factor, S. Generally speaking, as hillslope length and/or hillslope gradients increases. As hillslope length increases, total soil loss and soil loss per unit area increase due to accumulation of runoff in the downslope direction. As the hillslope gradient increases, the velocity an increases. Use the LS table located in separate tab of this spreadsheet to determine LS factors. Es LS for the site prior to construction.	radient i o the pro d erosiv	ncrease, soil ogressive rity of runoff		
12	<u>LS Table</u>				
13 14	LS Factor	Value	0.42		
15	Watershed Erosion Estimate (=RxKxLS) in tons/acre	15	5.407616		
16	Site Sediment Risk Factor				
17	Low Sediment Risk: < 15 tons/acre	N	ledium		
18 19	Medium Sediment Risk: >=15 and <75 tons/acre  High Sediment Risk: >= 75 tons/acre				
20	riigii Gediirietit (NSK. >= 73 tõris/adie				
21					
22	CIC Man Mathad.				
23	GIS Map Method:				
24 25	The R factor for the project is calculated using the online calculator at: <a href="http://cfpub.epa.gov/npdes/stormwater/LEW/lewCalculator.cfm">http://cfpub.epa.gov/npdes/stormwater/LEW/lewCalculator.cfm</a>				
26					
27	2. The K and LS factors may be obtained by accessing the GIS maps located on the State Water Board FTP website at:				
	ftp://swrcb2a.waterboards.ca.gov/pub/swrcb/dwq/cgp/Risk/				



Project Sediment Risk: Medium
Project RW Risk: High

Project Combined Risk: Level 2



## ALTERNATIVE 3 ANALYSIS Project Estimate Cost Summary

	District-County-Route	,	04-SM-101
	1	22.8/26.1	
	A 04-3G860		
	Project ID	)	04 1400 0256
PROJECT DESCRIPTION:	•		
Limits Oyster Point Boulevard to San Franc	cisco County Line		
Proposed Improvement (Scope) Widen NR & SR 101 with auxiliary Is	ne from Oyster Point Boulevard interch	ange to	n
	andard inside and outside shoulders and		
	Sierra Point Parkway off-ramp and ram		
over US 101 to Bayshore Boulevard			
Alternative 3			
SUMMARY OF PRO	ECT COST ESTIMATE		
TOTAL ROADWAY ITEMS		\$	45,344,000
TOTAL STRUCTURE ITEMS		\$	46,668,000
	SUBTOTAL CONSTRUCTION COSTS	\$	92,012,000
TOTAL RIGHT OF WAY ITEMS (Curre	nt Value)	\$	2,846,000.00
TOTAL PROJEC	T CAPITAL OUTLAY COSTS	\$	94,858,000
Reviewed by District Program Manager			
_	(Signature)		Date
Approved by Project Manager			
_	(Signature)		Date
Phone No.			

I. ROADWAY ITEMS		District	-County-Route PM EA	04-SM-101 22.8/26.1 04-3G860		
Section 1 Earthwork Roadway Excavation Imported Borrow Clearing & Grubbing Develop Water Supply	Quantity 65,875 - 1 1	Unit CY CY LS LS	Unit Price  \$ 30  \$ -  \$ 150,000  \$ 150,000	Item Cost \$ 1,976,250 \$ - \$ 150,000 \$ 150,000	Section Cost	
			Subt	otal Earthwork	\$ 2,276,250	
Section 2 - Pavement  Structural Section*  Pavement	t Quantity 1,032,411	Unit SF	Unit Price \$ 10	Item Cost	Section Cost	
		Subtota	al Pavement Stri	uctural Section	\$ 10,324,110	
Section 3 - Drainage Project Drainage	Quantity 1	Unit LS	Unit Price \$ 4,129,600	Item Cost \$ 4,129,600	Section Cost	

Sutotal Drainage \$ 4,129,600

<sup>\*</sup> See Typicals for Pavement Structural Structural Section

District-County-Route	04-SM-101
PM	22.8/26.1
EA	04-3G860

#### I. ROADWAY ITEMS

Section 4 - Specialty Items	Quantity	Unit	Unit Price	Item Cost	Section Cost
Retaining Walls	See Structur	e Items		\$ -	
Noise Barrier	0	LF	\$ 600	\$ -	
Concrete Barrier (Type 60C)	26,586	LF	\$ 100	\$ 2,658,600	
Permanent Treament BMPs	1	LS	\$ 852,480	\$ 852,480	
Prepare SWPPP	1	LS	\$ 15,000	\$ 15,000	
Hazardous Waste Investigation					
and/or Mitigation Work	1	LS	\$ 227,625	\$ 227,625	
Water Pollution Control	1	LS	\$ 852,480	\$ 852,480	
Environmental Mitigation	1	LS	\$ 455,250	\$ 455,250	
Resident Engineer Office Space	1	LS	\$ 150,000	\$ 150,000	
Highway Planting & Irrigation	1	LS	\$ 2,000,000	\$ 2,000,000	
Aesthetic/Architectureal Treatment	1	LS	\$ 245,000	\$ 265,000	
			Subtotal	Specialty Items	\$ 7,476,435
Section 5 - Traffic Items	Quantity	Unit	Unit Price	Item Cost	Section Cost
Lighting (Including Temp Lighting)	1	LS	\$ 275,000	\$ 275,000	300010110030
Traffic Control Systems	1	LS	\$ 350,000	\$ 350,000	
Ramp Metering	1	LS	\$ 400,000	\$ 400,000	
Traffic Operating Systems	1	LS	\$ 440,000	\$ 440,000	
Overhead Sign Structures (OSS)	12	EA	\$ 100,000	\$ 1,200,000	
Remove Ex. OSS	12	EA	\$ 5,000	\$ 60,000	
Roadside Signs	1	LS	\$ 35,000	\$ 35,000	
Signing and Striping	1	LS	\$ 260,000	\$ 260,000	
Transportation Management Plan	1	LS	\$ 572,000	\$ 572,000	
Transportation Management Flan		LJ	Ψ 372,000	Ψ 372,000	

Subtotal Traffic Items \$ 3,592,000

District-County-Route	04-SM-101			
PM	22.8/26.1			
EA	04-3G860			

#### I. ROADWAY ITEMS

Section 6 - Environmental Mitigation	Quantity	ty Unit Unit Price		lt	em Cost	Section Cost	
Project Environmental Mitigation	1	LS	\$	\$ 500,000		500,000	
					\$	-	
					\$	-	
					\$	-	
					\$	-	
					\$	-	

Subtotal Planting and Irrigation Section \$ 500,000

Section 7 - Roadside Management
10.5 1 0 11

occion / Roadsido Managomont						
and Safety Section	Quantity	Unit	<b>Unit Price</b>	Item Cost		Section Cost
Vegetation Control Treatments				\$	-	
Gore Area Pavement				\$	-	
Pavement beyond the Gore Area				\$	-	
Miscellaneous Paving			<del></del>	\$	-	
Erosion Control	1	LS	\$ 130,000	\$	130,000	
Slope Protection				\$	-	
Side Slopes/Embankment Slopes				\$	-	
Maintenance Vehicle Pullouts				\$	-	
Roadside Facilities			<del></del>	\$	-	
Relocating Roadside Facilities				\$	-	
=						

Subtotal Traffic Items \$ 130,000

		District-County-Route Pl E	
I. ROADWAY ITEMS			
Section 8 - Minor Items			
\$ 28,428,395 x Subtotal (Sections 1 thru 7)	10%	= \$ 2,842,840 TOTAL MINOR ITEM	
Section 9 - Roadway Mobilization			
\$ 31,271,235 x Subtotal (Sections 1 thru 8)	10%	= \$ 3,127,12 TOTAL ROADWAY MOBILIZATION	3
Section 10 - Roadway Additions  Supplemental Work			
\$ 31,271,235 x Subtotal (Sections 1 thru 8)	10%	= \$ 3,127,12	3
Contingencies  \$ 31,271,235 x 2 Subtotal (Sections 1 thru 8)	25%	= \$ 7,817,80	9
TOTAL ROADWAY ADD	OITIONS	\$ 10,944,93	2_
		TOTAL ROADWAY ITEM	1S \$ 45,343,290 (Subtotal Sect. 1 thru 10)
Estimate Prepared By			
Dat Nguyen		925-396-7700	3/13/2015
Estimate Reviewed By Luis Garcia		925-396-7700	3/13/2015
(Print Name)		Phone Number	Date

District-County-Route	04-SM-101
PM	22.8/26.1
EA	04-3G860

#### II. STRUCTURE ITEMS

Bridge Name	Structure (1) Retaining Wall No. 1		Structure (2) aining Wall No. 2		Structure (3) taining Wall No. 3	Structure (4) taining Wall No. 4
Structure Type Width (out to out) - (ft) Span Lengths - (ft) Total Area - (sf)		_	21,034		43,659	7,045
Footing Type (pile/spread) Cost Per Square Foot** Mobilization 10% Contingency 25%		\$	110	\$	120	\$ 110
Total Cost for Structure	\$ -	\$	2,313,740 SUBTOTAL S	\$ TRUC	5,239,080 ETURE ITEMS	\$ 774,950 8,327,770
Railroad Related Costs						
			SUBTOTAL	RAIL	ROAD ITEMS	\$ 

	Dist	District-County-Route 04-S PM 22.8		
		EA	04-3	G860
I. STRUCTURE ITEMS				
	Structure (5)	Structure (6)	Structure (7)	Structure (8)
Bridge Name	Retaining Wall No. 5	Retaining Wall No. 6	Retaining Wall No. 7	Retaining Wall No. 8
Structure Type Width (out to out) - (ft)				
Span Lengths - (ft) Total Area - (sf)	6,753	6,933		
Footing Type (pile/spread)				
Cost Per Square Foot**	\$ 110	\$ 110		
Total Cost for Structure	\$ 742,830	\$ 762,630	\$ -	\$ -
		SUBTOTAL S	TRUCTURE ITEMS	\$ 1,505,460
Railroad Related Costs				
		SUBTOTAL	RAILROAD ITEMS	\$ -
Estimate prepared by	at Nguyen		925-396-7700	3/13/201
	Name		Phone No.	Date

	Dist	rict-County-Route PM EA	22.8	Л-101 /26.1 G860
I. STRUCTURE ITEMS				
Bridge Name Structure Type	Structure (9) Retaining Wall No. 9	Structure (10) Retaining Wall No. 10	Structure (11) Retaining Wall No. 11	Structure (12) Sierra Point OH Widening (Br. 35-0130)
Width (out to out) - (ft) Span Lengths - (ft) Total Area - (sf) Footing Type (pile/spread) Cost Per Square Foot**	\$ 110	3,825	-	\$ 400
Total Cost for Structure	\$ 1,087,900	\$ 420,750 SUBTOTAL S	\$ - TRUCTURE ITEMS	\$ 13,960,000 \$ 15,468,650
Railroad Related Costs				
		SUBTOTAL	RAILROAD ITEMS	\$ -
Estimate prepared by	at Nguyen		925-396-7700	3/13/2015
	Name		Phone No.	Date

	Dist	rict-County-Route PM EA	22.8	M-101 8/26.1 8G860
I. STRUCTURE ITEMS				
	Structure (13)	Structure (14)	Structure (13)	Structure (14)
Bridge Name	Sierra Pt Off-Ramp Separation Replacement (Br. 35-01315)			Remove Sierra Pt Off- Ramp Sep. (Br. 35-01315)
Structure Type Width (out to out) - (ft) Span Lengths - (ft) Total Area - (sf)	34,000	28,350	25,000	10,200
Footing Type (pile/spread) Cost Per Square Foot**	\$ 320	\$ 350	\$ 16	\$ 16
Total Cost for Structure	\$ 10,880,000	\$ 9,922,500	\$ 400,000	\$ 163,200
Railroad Related Costs		SUBTOTAL S	STRUCTURE ITEMS	\$ 21,365,700
		SUBTOTAL	RAILROAD ITEMS	\$ -
		TOTAL S	STRUCTURE ITEMS	\$ 46,667,580
Estimate prepared by				
D	at Nguyen Name		925-396-7700 Phone No.	3/13/2015 Date

C	District-County-Route PM EA	22.8	M-101 5/26.1 6G860	
III. RIGHT OF WAY ITEMS	CURRENT VALUE (Yr 2015)	ESCALATION RATE	ESCALATED VALUE (Yr 2017)	
A. Acquisition, including excess lands, damages to remainder(s) and Goodwill	\$ 2,771,000	3%	\$ 2,939,753	
B. Utility Relocation (State Share)	\$ 75,000.00	3%	\$ 79,568	
C. Relocation Assistance	\$ -		\$ -	
D. Clearance/Demolition	\$ -		\$ -	
E. Title and Escrow Fees	\$ -		\$ -	
TOTAL RIGHT OF WAY ITEM	MS \$ 2,846,000		\$ 3,019,321	
ANTICIPATED D	ATE OF RIGHT OF WAY	CERTIFICATION	Sept 2020	
F. Construction Contract Work				

Estimate Prepared By

Dat Nguyen

Print Name

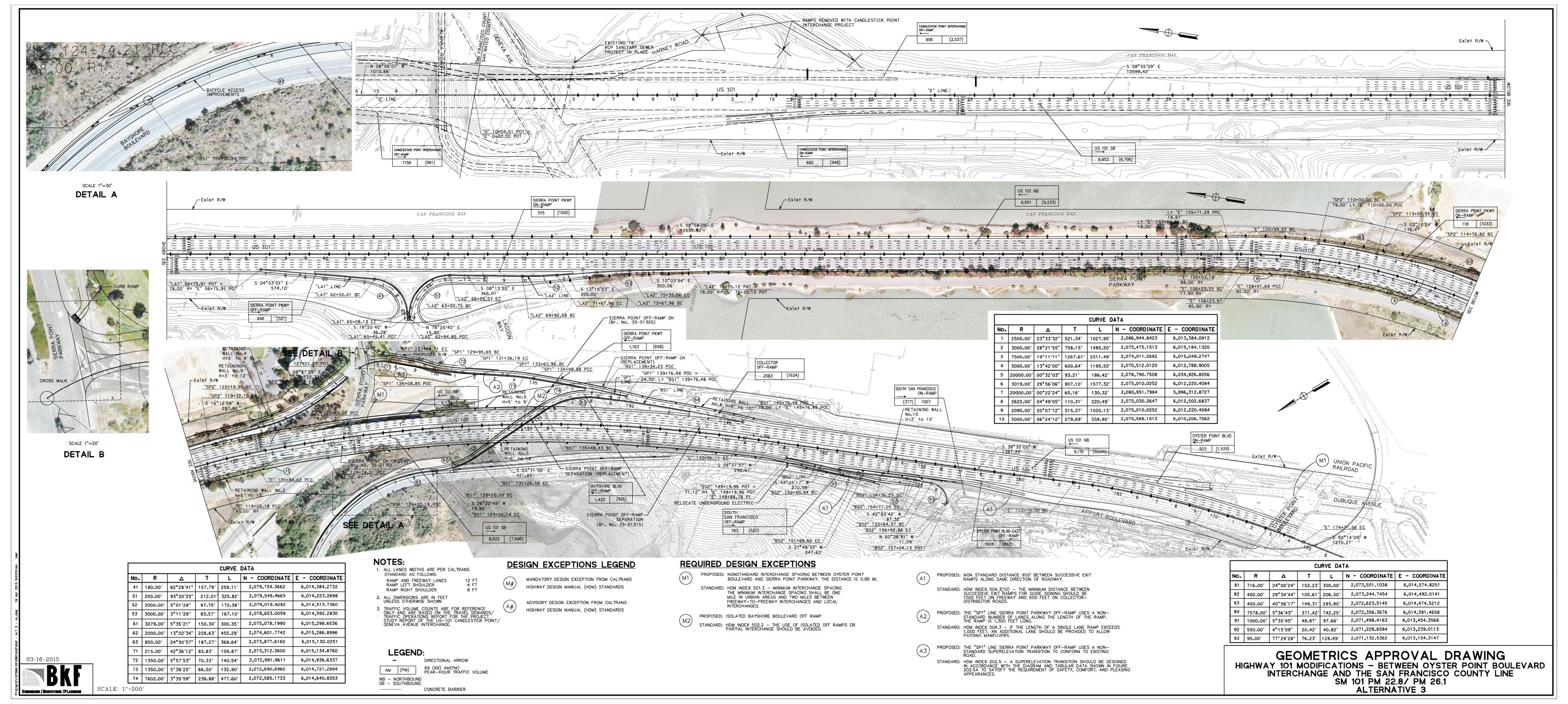
Dat Nguyen

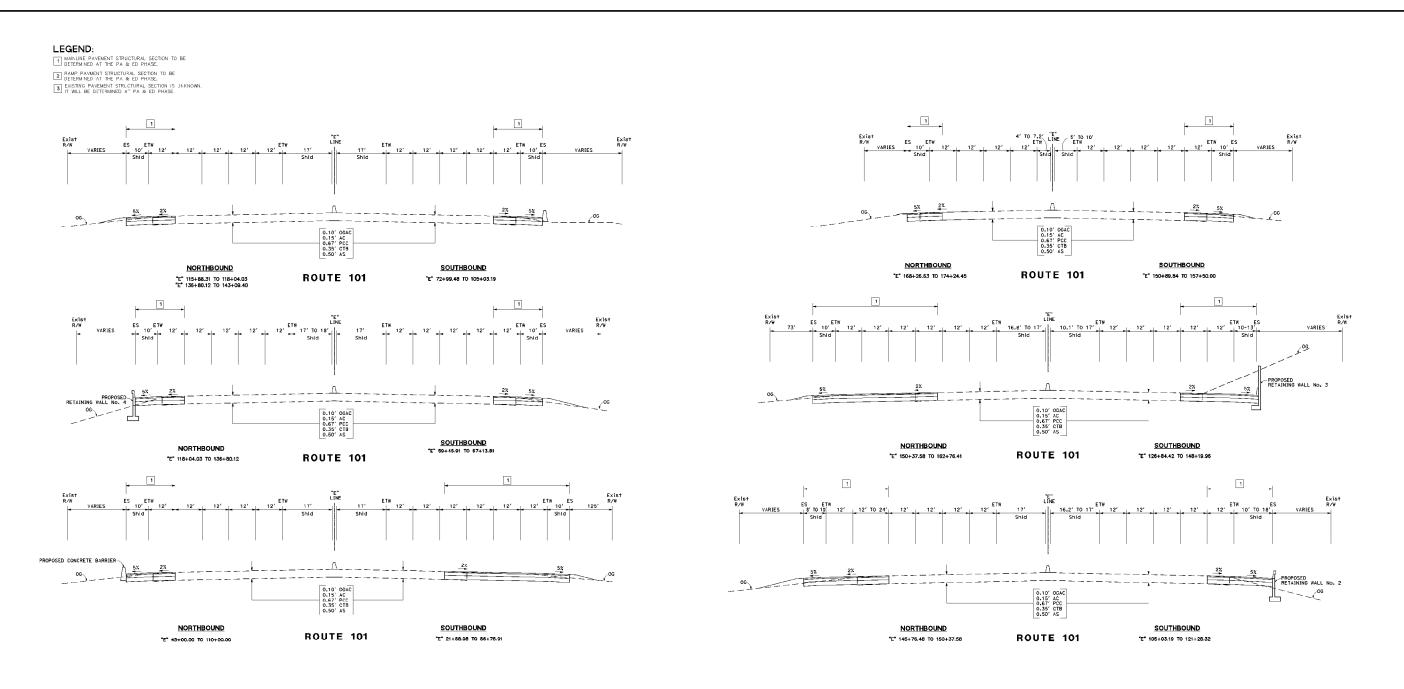
Phone No.

Date

Comments:

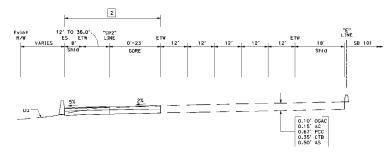
# **Project Geometrics Approval Drawing and Typical Sections (Alternative 3)**



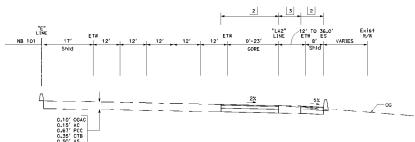


ALT 3 - GAD - X-1

GEOMETRICS APPROVAL DRAWING
HIGHWAY 101 MODIFICATIONS - BETWEEN OYSTER POINT BOULEVARD
INTERCHANGE AND THE SAN FRANCISCO COUNTY LINE
SM 101 PM 22.8/ PM 26.1
ALTERNATIVE 3



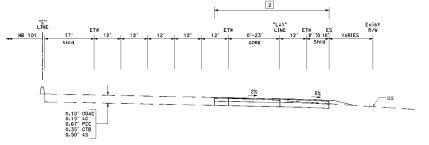
#### NORTHBOUND ROUTE 101



#### SOUTHBOUND ROUTE 101

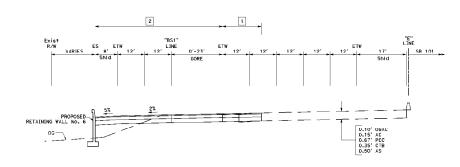
SIERRA POINT PARKWAY ON-RAMP

"E" 63+00.75 TO "E" 78+35.12

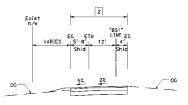


## SOUTHBOUND ROUTE 101 SIERRA POINT PARKWAY OFF-RAMP "E" 56+75.91 TO "E" 72+49.45

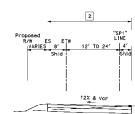
#### SOUTHBOUND ROUTE 101



#### NORTHBOUND ROUTE 101

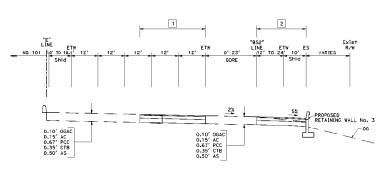


#### NORTHBOUND ROUTE 101

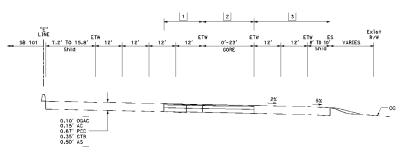


#### NORTHBOUND ROUTE 101 SIERRA POINT PARKWAY OFF-RAMP

"SP1" 126+49.52 TO 127+49.19



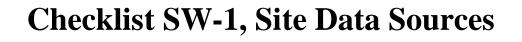
## SOUTHBOUND ROUTE 101 SOUTH SAN FRANCISCO OFF-RAMP "BS2" 148+19.96 TO "BS2" 150+06.22



## SOUTHBOUND ROUTE 101 OYSTER POINT BOULEVARD EAST OFF-RAMP "E" 162+76.41 TO "E" 168+26.63

ALT 3 - GAD - X-2

GEOMETRICS APPROVAL DRAWING
HIGHWAY 101 MODIFICATIONS - BETWEEN OYSTER POINT BOULEVARD
INTERCHANGE AND THE SAN FRANCISCO COUNTY LINE
SM 101 PM 22.8/ PM 26.1
ALTERNATIVE 3



Checklist SW-1, Site Data Sources						
Prepared by:	Dat Nguyen	Date:	10/8/2014	District-Co-Route:04-SM-101		
PM : <u>22.8/26.1</u>		_Project	ID (or EA): <u>EA 0</u> 4	4-3G860 RWQCB: <u>Region 2</u>		

Information for the following data categories should be obtained, reviewed and referenced as necessary throughout the project planning phase. Collect any available documents pertaining to the category and list them and reference your data source. For specific examples of documents within these categories, refer to Section 5.5 of this document. Example categories have been listed below; add additional categories, as needed. Summarize pertinent information in Section 2 of the SWDR.

	DATA CATEGORY/SOURCES	Date
Topograp	phic	
•	Aerial photos	10/8/2014
•	As-builts	10/8/2014
•	Topographic Survey	10/8/2014
Hydraulio		
• ,	Aerial photos	10/8/2014
• ,	As-builts	10/8/2014
•		
Soils		
•	Natural Resources Conservation Service Web Soil Survey	10/8/2014
•		
Climatic		
	Nation Oceanic & Atmosperic Administration – National Environmental Satellite, Data, and Information Service	10/8/2014
•		
Water Qu	uality	
	California RWQCB San Francisco Bay Region Water Quality control Plan	10/8/2014
	U.S. Environmental Protection Agency 2006 Clean Water Act Section 303(d) List of Water Quality Limited Segement Requiring TMDLS	10/8/2014
•		
Other Da	ta Categories	
	California Department of Transportation Stormwater Water Quality Planning Tool	10/8/2014
•	Caltrans Project Planning and Design Guide	May 2012
•	Caltrans Construction Site Best Management Practices (BMPs)	March 2003

# Checklist SW-2, Storm Water Quality Issues Summary

	Cl	necklist SW	/-2, St	orm Wat	er Quality Issues	Summary	
Pr	epared by:	Dat Nguyen	_Date:_	10/8/2014	District-Co-Route: <u>04-</u>	-SM-101	
PΝ	/I : <u>22.8/26.1</u>		_Project	ID (or EA): <u>E</u>	<u>A 04-3G860</u> RWQCB: <u>Rec</u>	gion 2	
issı Lar	ies. Complete idscape Archi	e responses to ap	plicable nce, etc.	questions, col	cal information relevant to nsulting other Caltrans fun- rict/Regional Storm Water R.	ctional units (Environr	mental,
1.		e receiving water e cycle (i.e., cons			by the project throughout and operation).	<b>⊠</b> Complete	□NA
2.	For the proje constituents		03(d) im	paired receivir	ng water bodies and their		□NA
3.	groundwater	percolation facilit	ies withi	n the project li	ter supply reservoirs or mits. Consider appropriate ures for these new areas.		□NA
4.	Determine the etc.	e RWQCB specia	al require	ements, includ	ing TMDLs, effluent limits,		□NA
5.					n and construction ate, or local agencies.		□NA
6.	Determine if	a 401 certification	n will be	required.			□NA
7.	List rainy sea	ason dates.					□NA
8.	Determine the rainfall intens		of the p	roject area. Id	entify annual rainfall and		□NA
9.		g Treatment BMP nd depth to groun		nine the soil cl	assification, permeability,		□NA
10.	Determine co	ontaminated soils	within th	e project area	ı.	Complete	□NA
11.	Determine th	e total disturbed	soil area	of the project.			□NA
12.	Describe the	topography of the	e project	site.			□NA
13.		contractor's stagi			at will be included in the ges, easements for	☐Complete	⊠NA
14.					sements and right-of-entry ance of BMPs. If so, how	☐Complete	⊠NA
15.	Determine if	a right-of-way cei	rtification	is required.		□ Complete	⊠NA
16.		MPs, stabilized co			hould it be needed for y-back slopes, or	☐Complete	⊠NA
17.	•	project area has	any slop	e stabilization	concerns.		□NA
18.	Describe the	local land use wi	thin the p	oroject area ar	nd adjacent areas.	 ☐Complete	□NA
19.	Evaluate the	presence of dry v	weather t	flow.		— ' ⊠Complete	— □na



# Checklist SW-3, Measures for Avoiding or Reducing Potential Storm Water BMPs

C	he	cklis	t SW-3, Me	asures		oiding or F mpacts	Reducin	g Pote	ntial S	torm
Pre	pare	ed by:	Dat Nguyen	_Date:_	10/8/2014	District-C	o-Route: <u>04</u>	-SM-101		-
РМ	: <u>22</u>	.8/26.1		_Project	ID (or EA): <u>E</u>	<u>A 04-3G860</u> F	RWQCB: <u>Re</u>	gion 2		=
Mat	eria	ls, Cons	onfer with other fu truction and Mair he SWDR.							
Opt	ions	for avoi	ding or reducing	potential	impacts durin	g project planr	ning include	the followir	ng:	
<ol> <li>Can the project be relocated or realigned to avoid/reduce impacts to receiving waters or to increase the preservation of critical (or problematic) areas such as floodplains, steep slopes, wetlands, and areas with erosive or unstable soil conditions?</li> </ol>							□NA			
2.			res and bridges I d minimize const			to reduce wor	k in live	□Yes	⊠No	□NA
3.		n any of pes:	the following me	thods be	utilized to min	nimize erosion	from			
	a.	Disturb	ing existing slope	es only wl	nen necessar	y?		⊠Yes	□No	□NA
	b.	Minimiz	zing cut and fill ar	eas to re	duce slope le	ngths?		⊠Yes	□No	□NA
	c.		orating retaining v n slopes?	valls to re	duce steepne	ess of slopes o	r to	⊠Yes	□No	□NA
	d.		ng right-of-way e steepness of slo		s (such as gra	ding easemen	ts) to	⊠Yes	□No	□NA
	e.	Avoidir stabiliz	ng soils or formati e?	ions that v	will be particu	larly difficult to	re-	⊠Yes	□No	□NA
	f.		ng cut and fill slo osion to pre-cons			w re-vegetatior	n and	⊠Yes	□No	□NA
	g.		ng benches or te stration of flows?	rraces on	high cut and	fill slopes to re	educe	⊠Yes	□No	□NA
	h.	Roundi	ing and shaping s	slopes to	reduce conce	ntrated flow?		⊠Yes	□No	□NA
	i.	Collect	ing concentrated	flows in s	stabilized drai	ns and channe	ls?	⊠Yes	□No	□NA
4.	Do	es the p	roject design allo	w for the	ease of maint	aining all BMP	s?	⊠Yes	□No	
5.			pject be schedule ainy season?	d or phas	ed to minimiz	e soil-disturbin	ng work	⊠Yes	□No	
6.	veç cor	jetated s struction	nent storm water slopes, basins, ar n process to prov dressing construc	nd convey ride additi	ance systems onal protectio	s be installed e on and to possil	arly in the	⊠Yes	□No	□NA



# Checklists DPP-1, Parts 1-5 (Design Pollution Prevention BMPs)

Design Pollution Prevention BMPs						
Checklist DPP-1, Part 1						
Prepared by: <u>Dat Nguyen</u> Date: <u>10/8/2014</u> District-Co-Route: <u>04</u>	I-SM-101		_			
PM : <u>22.8/26.1</u> Project ID (or EA): <u>EA 04-3G860</u> RWQCB: <u>Re</u>	gion 2		_			
Consideration of Design Pollution Prevention BMPs						
Consideration of Downstream Effects Related to Potentially Increased Flow [to streams or channels]						
Will project increase velocity or volume of downstream flow?	⊠Yes	□No	□NA			
Will the project discharge to unlined channels?	⊠Yes	□No	□NA			
Will project increase potential sediment load of downstream flow?	□Yes	⊠No	□NA			
Will project encroach, cross, realign, or cause other hydraulic changes to a stream that may affect downstream channel stability?	⊠Yes	□No	□NA			
If Yes was answered to any of the above questions, consider <b>Downstream Effects Related to Potentially Increased Flow</b> , complete the DPP-1, Part 2 checklist.						
Slope/Surface Protection Systems						
Will project create new slopes or modify existing slopes?	⊠Yes	□No	□NA			
If Yes was answered to the above question, consider <b>Slope/Surface Protection Systems</b> , complete the DPP-1, Part 3 checklist.						
Concentrated Flow Conveyance Systems						
Will the project create or modify ditches, dikes, berms, or swales?	⊠Yes	□No	□NA			
Will project create new slopes or modify existing slopes?	⊠Yes	□No	□NA			
Will it be necessary to direct or intercept surface runoff?	□Yes	⊠No	□NA			
Will cross drains be modified?	⊠Yes	□No	□NA			
If Yes was answered to any of the above questions, consider <b>Concentrated Flow Conveyance Systems</b> ; complete the DPP-1, Part 4 checklist.						
Preservation of Existing Vegetation						
It is the goal of the Storm Water Program to maximize the protection of desirable existing vegetation to provide erosion and sediment control benefits on all projects.						
Consider <b>Preservation of Existing Vegetation</b> , complete the DPP-1, Part 5						

checklist.

## Design Pollution Prevention BMPs Checklist DPP-1, Part 2

				•	
Prepared by:	Dat Nguyen	Date:_	10/8/2014	_District-Co-Route:04-SM-101	
PM : <u>22.8/26.1</u>		_Project	ID (or EA): <u>EA 0</u>	4-3G860 RWQCB:Region 2	

#### Downstream Effects Related to Potentially Increased Flow

1.	Review total paved area and reduce to the maximum extent practicable.	⊠Complete
2.	Review channel lining materials and design for stream bank erosion control.	□Complete
	(a) See Chapters 860 and 870 of the HDM.	Complete
	(b) Consider channel erosion control measures within the project limits as well as downstream. Consider scour velocity.	□ Complete
3.	Include, where appropriate, energy dissipation devices at culvert outlets.	Complete
4.	Ensure all transitions between culvert outlets/headwalls/wingwalls and channels are smooth to reduce turbulence and scour.	Complete
5.	Include, if appropriate, peak flow attenuation basins or devices to reduce peak discharges.	
6.	Calculate the water quality volume infiltrated by DPP BMPs within the project limits. Include the percentage of the water quality volume for each BMP and subwatershed, as appropriate, for site conditions. These calculations will be used later in the T-1 checklist.	□Complete

# Design Pollution Prevention BMPs Checklist DPP-1, Part 3 Prepared by: Dat Nguyen Date: 10/8/2014 District-Co-Route:04-SM-101 PM:22.8/26.1 Project ID (or EA):EA 04-3G860 RWQCB:Region 2

#### Slope / Surface Protection Systems

1.	What are the proposed areas of cut and fill? (attach plan or map)	Cor	<mark>nplete</mark>
2.	Were benches or terraces provided on high cut and fill slopes to reduce concentration of flows?	⊠Yes □No	
3.	Were slopes rounded and/or shaped to reduce concentrated flow?	⊠Yes	□No
4.	Were concentrated flows collected in stabilized drains or channels?		□No
5.	Are new or disturbed slopes > 4:1 horizontal:vertical (h:v)?	□Yes	⊠No
	If Yes, District Landscape Architect must prepare or approve an erosion control plan, at the District's discretion.		
6.	Are new or disturbed slopes > 2:1 (h:v)?	□Yes	⊠No
	If Yes, Geotechnical Services must prepare a Geotechnical Design Report, and the District Landscape Architect should prepare or approve an erosion control plan. Concurrence must be obtained from the District Maintenance Storm Water Coordinator for slopes steeper than 2:1 (h:v).		
7.	Estimate the net new impervious area that will result from this project. 19.8 acres	⊠Cor	nplete
VE	GETATED SURFACES		
1.	Identify existing vegetation.	⊠Cor	nplete
2.	Evaluate site to determine soil types, appropriate vegetation and planting strategies.	⊠Cor	nplete
3.	How long will it take for permanent vegetation to establish?	Cor	<mark>nplete</mark>
4.	Minimize overland and concentrated flow depths and velocities.	Cor	<mark>nplete</mark>
HA	RD SURFACES		
1.	Are hard surfaces required?	⊠Yes	□No
	If Yes, document purpose (safety, maintenance, soil stabilization, etc.), types, and general locations of the installations.	⊠Coı	mplete
	view appropriate SSPs for Vegetated Surface and Hard Surface Protection stems.	Co	mplete

Complete

# **Design Pollution Prevention BMPs**

		•			
		Che	ecklist DF	PP-1, Part 4	
Pre	pared by: <u>Dat Nguyen</u> [	Date:	10/8/2014	District-Co-Route:04-SM-101	
PM	: <u>22.8/26.1</u> F	Project	ID (or EA): <u>EA</u>	. 04-3G860 RWQCB:Region 2	
Со	ncentrated Flow Conveyand	ce Sys	stems		
Dit	ches, Berms, Dikes and Swa	iles			
1.	Consider Ditches, Berms, Dik and Chapter 860 of the HDM.	-	d Swales as p	er Topics 813, 834.3, and 835,	Complete
2.	Evaluate risks due to erosion	, overte	opping, flow b	ackups or washout.	Complete
3.	Consider outlet protection wh	ere loc	alized scour i	s anticipated.	Complete
4.	Examine the site for run-on fr	om off	-site sources.		Complete
5.	Consider channel lining when	veloc	ties exceed s	cour velocity for soil.	Complete
Ov	erside Drains				
1.	Consider downdrains, as per	Index	834.4 of the H	IDM.	Complete
2.	Consider paved spillways for	side sl	opes flatter th	an 4:1 h:v.	Complete
Fla	red Culvert End Sections				
1.	Consider flared end sections the HDM.	on cul	vert inlets and	outlets as per Chapter 827 of	□Complete
Ou	tlet Protection/Velocity Dissi	ipatior	Devices		
1.	Consider outlet protection/vel drains, as per Chapters 827 a	•	•	ices at outlets, including cross	Complete

Review appropriate SSPs for Concentrated Flow Conveyance Systems.

Design Pollution Prevention BMPs					
Checklist DPP-1, Part 5					
Prepared by: Dat Nguye	n Date: 10/8/	/2014 District-Co	-Route: <u>04-SM-101</u>		
PM : <u>22.8/26.1</u>	Project ID (o	r EA): <u>EA 04-3G860</u> RV	VQCB:Region 2		

### **Preservation of Existing Vegetation**

1.	Review Preservation of Property, (Clearing and Grubbing) to reduce clearing and grubbing and maximize preservation of existing vegetation.	⊠Com	nplete
2.	Has all vegetation to be retained been coordinated with Environmental, and identified and defined in the contract plans?	□Yes	⊠No
3.	Have steps been taken to minimize disturbed areas, such as locating temporary roadways to avoid stands of trees and shrubs and to follow existing contours to reduce cutting and filling?	⊠Con	nplete
4.	Have impacts to preserved vegetation been considered while work is occurring in disturbed areas?	□Yes	⊠No
5.	Are all areas to be preserved delineated on the plans?	□Yes	⊠No

# Checklists T-1, Parts 1-2 (Treatment BMPs)

	Treatment BMPs						
		Check	list T-	1, Part 1			
Pre	epared by: <u>Dat Nguyen</u> D	ate: <u>10/8/2</u>	2014	District-Co-Route:	04-SM-101		_
PΝ	: <u>22.8/26.1</u> Pr	roject ID (or	EA): <u>EA</u>	04-3G860 RWQCB: <u>R</u>	Region 2		_
Со	nsideration of Treatment BN	MPs					
de Do coi	is checklist is used for projects to cermined from the process descondentation Form (EDF). This insidered for each watershed an erify siting and design applicable.	ribed in Sect checklist wil d sub-waters	tion 4 (P I be use shed with	roject Treatment Cor d to determine which nin the project. Supp	nsideration) Treatment	and the E	valuation uld be
res	mplete this checklist for each sponses to the questions as the ter Data Report to document	he basis wh	en deve	eloping the narrative	in Section	n 5 of the	Storm
	swer all questions, unless ot er all subwatershed (drainage					d be ansv	vered
1.	Is the project in a watershed win an adopted TMDL implement purpose facility requirement (education Prevention B	ntation plan o	or does to	he project have a du water quality treatme	al ent or	□Yes	⊠No
	If Yes, consult the District/Reg whether the T-1 checklist show the prescribed BMPs may not effective. Special documentate	uld be used t be feasible o	o propos or other	se alternative BMPs t BMPs may be more o	oecause cost-		
2.	Dry Weather Flow Diversion						
	(a) Are dry weather flows gen	erated by Ca	altrans a	nticipated to be persi	stent?	□Yes	⊠No
	(b) Is a sanitary sewer located	d on or near	the site?	,		□Yes	⊠No
	If Yes to both 2 (a) and (b), co	ntinue to (c).	If No to	either, skip to quest	ion 3.		
	(c) Is connection to the sanita features or construction pr		ssible wit	hout extraordinary pl	umbing,	∐Yes	□No
	(d) Is the domestic wastewate	er treatment	authority	willing to accept flow	v?	□Yes	□No
	If Yes was answered to all of the <b>Diversion</b> , complete and attack				ow		
3.	Is the receiving water on the 3 for litter/trash?	303(d) list for	litter/tra	sh or has a TMDL be	en issued	□Yes	⊠No

If Yes, consider Gross Solids Removal Devices (GSRDs). Complete and attach Part 6 of this checklist. Note: Infiltration Devices, Detention Devices, Media Filters, MCTTs, and Wet Basins also can capture litter. Before considering GSRDs for stand-alone installation or in sequence with other BMPs, consult with District/Regional NPDES Storm Water Coordinator to determine whether Infiltration Devices, Detention Devices, Media Filters, MCTTs, and Wet Basins should be considered instead of GSRDs to meet litter/trash TMDL. 4. Is the project located in an area (e.g., mountain regions) where traction sand is □Yes  $\boxtimes$ No applied more than twice a year? If Yes, consider Traction Sand Traps Complete and attach Part 7 of this checklist. 5. Maximizing Biofiltration Strips and Swales Objectives: Quantify infiltration from biofiltration alone 2) Identify highly infiltrating biofiltration (i.e. > 90%) and skip further BMP consideration. 3) Identify whether amendments can substantially improve infiltration. (a) Have biofiltration strips and swales been designed for runoff from all project ⊠Yes  $\square$ No areas, including sheet flow and concentrated flow conveyance? If no, document justification in Section 5 of the SWDR. (b) Based on existing site conditions, estimate what percentage of the WQV<sup>1</sup> can be infiltrated. When calculating the WQV, use a drawdown time appropriate for the site conditions... X < 20% Complete 20 % - 50% \_\_\_ 50% - 90% \_\_\_ > 90% (c) Is infiltration greater than 90 percent? If Yes, skip to question 13. □Yes  $\square$ No If No, Continue to 5 (d). <sup>1</sup> A complete methodology for determining WQV infiltration is available at:



http://www.dot.ca.gov/hg/oppd/stormwtr/index.htm

	(d) Can the infiltration ranking in question 5(b) above be increased by using soil amendments?.	□Yes	⊠No
	If Yes, consider including soil amendments (increasing the infiltration ranking of strips and swales shows performance comparable to other BMPs). Record the new infiltration estimate below. If No, continue to 5 (e).		
	< 20% (skip to 6)		
	20 % - 50% (skip to 6)		
	50% - 90% (skip to 6)		
	>90%	∐Con	nplete
	<ul><li>(e) Is infiltration greater than 90 percent? If Yes, skip to question 13. If No, continue to 5 (f).</li></ul>	□Yes	⊠No
	(f) Is infiltration greater than 50 percent and is biofiltration preferred? If yes to both, skip to question 13.	□Yes	⊠No
6.	Biofiltration in Rural Areas		
	Is the project in a rural area (outside of urban areas that is covered under an NPDES Municipal Stormwater Permit <sup>2</sup> )? If Yes, proceed to question 13.	□Yes	⊠No
7.	Estimating Infiltration for BMP Combinations		
	Objectives:		
	1) Identify high-infiltration biofiltration or biofiltration and infiltration BMP combinations and skip further BMP consideration.		
	2) If high infiltration is infeasible, then identify the infiltration level of all feasible BMP combinations for use in the subsequent BMP selection matrices.		
	(a) Has concentrated infiltration (i.e., via earthen basins) been prohibited? Consult your District/Regional Storm Water Coordinator and/or environmental documents.	□Yes	⊠No
	If No, continue to 7 (b); if Yes, skip to question 8 and do not consider earthen basin-type BMPs		

<sup>&</sup>lt;sup>2</sup> See pages 39 and 40 of the Fact Sheets for the CGP. http://www.waterboards.ca.gov/water\_issues/programs/stormwater/docs/constpermits/wqo\_2009\_0009\_factsheet.pdf



	(b) Can the infiltration ranking be increased by infiltrating the un-infiltrated remaining WQV from question 5, with an infiltration BMP <sup>1</sup> ? If yes, record the new infiltration estimate below. If no, proceed to 7(c).	□Yes	⊠No
	< 20% (do not consider this BMP combination)		
	20% - 50%		
	50% - 90%		
	>90%		
	Is at least 90 percent infiltration estimated? If Yes, proceed to 13. If No, proceed to 7(c).	∐Yes	⊠No
	(c) Assess infiltration of biofiltration combined with an approved earthen BMP. This assessment will be used in subsequent BMP selection matrices.		
	Earthen Detention Basin		
	< 20%	Compl	ete
	20% - 50%		
	> 50%		
	Continue to Question 8		
8.	Identifying BMPs based on the Target Design Constituents		
•			
	(a) Does the project discharge to a 303(d) impaired water body or a water body that has a TMDL adopted? If "No," use Matrix A to select BMPs, consider designing to treat 100% of the WQV, then skip to question 12.	⊠Yes	□No
	that has a TMDL adopted? If "No," use Matrix A to select BMPs, consider	⊠Yes	□No
	that has a TMDL adopted? If "No," use Matrix A to select BMPs, consider designing to treat 100% of the WQV, then skip to question 12.  If Yes, is the identified pollutant(s) considered a Targeted Design Constituent (TDC) (check all that apply below)?	⊠Yes	□No
	that has a TMDL adopted? If "No," use Matrix A to select BMPs, consider designing to treat 100% of the WQV, then skip to question 12.  If Yes, is the identified pollutant(s) considered a Targeted Design Constituent (TDC) (check all that apply below)?	⊠Yes	□No
	that has a TMDL adopted? If "No," use Matrix A to select BMPs, consider designing to treat 100% of the WQV, then skip to question 12.  If Yes, is the identified pollutant(s) considered a Targeted Design Constituent (TDC) (check all that apply below)?  Sediments  Copper (dissolved or total)	⊠Yes	□No
	that has a TMDL adopted? If "No," use Matrix A to select BMPs, consider designing to treat 100% of the WQV, then skip to question 12.  If Yes, is the identified pollutant(s) considered a Targeted Design Constituent (TDC) (check all that apply below)?  Sediments  Copper (dissolved or total)  phosphorus  lead (dissolved or total)	⊠Yes	□No
	that has a TMDL adopted? If "No," use Matrix A to select BMPs, consider designing to treat 100% of the WQV, then skip to question 12.  If Yes, is the identified pollutant(s) considered a Targeted Design Constituent (TDC) (check all that apply below)?  Sediments	⊠Yes ⊠Yes	□No

 $<sup>^2</sup>$  General metals is a designation used by Regional Water Boards when specific metals have not yet been identified as causing the impairment.



<sup>&</sup>lt;sup>1</sup> Assess the combined infiltration of the WQV by both biofiltration and infiltration BMPs. As site constraints allow, size the infiltration BMP up to the un-infiltrated WQV remaining after the biofiltration BMP.

#### **BMP Selection Matrix A: General Purpose Pollutant Removal**

Consider approaches to treat the remaining WQV with combinations of the BMPs in this table. The PE should select at least one BMP for the project; preference is for Tier 1 BMPs, followed by Tier 2 BMPs when Tier 1 BMPs are not feasible. Within each Tier, BMP selection will be determined by the site-specific determination of feasibility (Section 2.4.2.1). BMPs are chosen based on the infiltration category determined in question 7. BMPs in other categories should be ignored.

	BMP ranking for infiltration category:					
	Infiltration < 20%	Infiltration 20% - 50%	Infiltration > 50%			
Tier 1	Strip: HRT > 5 Austin filter (concrete) Austin filter (earthen) Delaware filter MCTT Wet basin	Austin filter (earthen) Detention (unlined) Infiltration basins* Infiltration trenches* Biofiltration Strip	Austin filter (earthen) Detention (unlined) Infiltration basins* Infiltration trenches* Biofiltration Strip Biofiltration Swale			
Tier 2	Strip: HRT < 5 Biofiltration Swale Detention (unlined)	Austin filter (concrete) Delaware filter Biofiltration Swale MCTT Wet basin	Austin filter (concrete) Delaware filter MCTT Wet basin			

HRT = hydraulic residence time (min)

\*Infiltration BMPs that infiltrate the water quality volume were considered previously, so only undersized infiltration BMPs or hybrid designs are considered where infiltration is less than 90% of the water quality volume.

9.	I reating both Metals and Nutrients.		
	Is copper, lead, zinc, or general metals <i>AND</i> nitrogen or phosphorous a TDC? If Yes, use Matrix D to select BMPs, then skip to question 12. Otherwise, proceed to question 10.	□Yes	□No
10.	Treating Only Metals.		
	Are copper, lead, zinc, or general metals listed TDCs? If Yes, use Matrix B below to select BMPs, and skip to question 12. Otherwise, proceed to question 11.	□Yes	□No

#### BMP Selection Matrix B: Any metal is the TDC, but not nitrogen or phosphorous

Consider approaches to treat the remaining WQV with combinations of the BMPs in this table. The PE should select at least one BMP for the project; preference is for Tier 1 BMPs, followed by Tier 2 BMPs when Tier 1 BMPs are not feasible. Within each Tier, BMP selection will be determined by the site-specific determination of feasibility (Section 2.4.2.1). BMPs are chosen based on the infiltration category determined in question 7. BMPs in other categories should be ignored.

	BMP ranking for infiltration category:					
	Infiltration < 20%	Infiltration 20% - 50%	Infiltration > 50%			
Tier 1	MCTT Wet basin Austin filter (earthen) Austin filter (concrete) Delaware filter	Austin filter (earthen) Detention (unlined) Infiltration basins* Infiltration trenches* MCTT Wet basin	Austin filter (earthen) Detention (unlined) Infiltration basins* Infiltration trenches* MCTT Biofiltration Strip Biofiltration Swale Wet basin			
Tier 2	Strip: HRT > 5 Strip: HRT < 5 Biofiltration Swale Detention (unlined)	Austin filter (concrete) Delaware filter Biofiltration Strip Biofiltration Swale	Austin filter (concrete) Delaware filter			

HRT = hydraulic residence time (min)

#### 11. Treating Only Nutrients.

Are nitrogen and/or phosphorus listed TDCs? If "Yes," use Matrix C to select		
BMPs. If "No", please check your answer to 8(a). At this point one of the matrices	□Yes	
should have been used for BMP selection for the TDC in question, unless no		
BMPs are feasible.		

<sup>\*</sup>Infiltration BMPs that infiltrate the water quality volume were considered previously, so only undersized infiltration BMPs or hybrid designs are considered where infiltration is less than 90% of the water quality volume.

#### BMP Selection Matrix C: Phosphorous and / or nitrogen is the TDC, but no metals are the TDC

Consider approaches to treat the remaining WQV with combinations of the BMPs in this table. The PE should select at least one BMP for the project; preference is for Tier 1 BMPs, followed by Tier 2 BMPs when Tier 1 BMPs are not feasible. Within each Tier, BMP selection will be determined by the site-specific determination of feasibility (Section 2.4.2.1). BMPs are chosen based on the infiltration category determined in question 7. BMPs in other categories should be ignored.

	BMP ranking for infiltration category:				
	Infiltration < 20%	Infiltration 20% - 50%	Infiltration > 50%		
Tier 1	Austin filter (earthen) Austin filter (concrete) Delaware filter**	Austin filter (earthen) Detention (unlined) Infiltration basins* Infiltration trenches*	Austin filter (earthen) Detention (unlined) Infiltration basins* Infiltration trenches* Biofiltration Strip Biofiltration Swale		
Tier 2	Wet basin Biofiltration Strip Biofiltration Swale Detention (unlined)	Austin filter (concrete) Delaware filter Biofiltration Strip Biofiltration Swale Wet basin	Austin filter (concrete) Delaware filter Wet basin		

<sup>\*</sup> Infiltration BMPs that infiltrate the water quality volume were considered previously, so only undersized infiltration BMPs or hybrid designs are considered where infiltration is less than 90% of the water quality volume.

<sup>\*\*</sup> Delaware filters would be ranked in Tier 2 if the TDC is nitrogen only, as opposed to phosphorous only or both nitrogen and phosphorous.

#### BMP Selection Matrix D: Any metal, plus phosphorous and / or nitrogen are the TDCs

Consider approaches to treat the remaining WQV with combinations of the BMPs in this table. The PE should select at least one BMP for the project; preference is for Tier 1 BMPs, followed by Tier 2 BMPs when Tier 1 BMPs are not feasible. Within each Tier, BMP selection will be determined by the site-specific determination of feasibility (Section 2.4.2.1). BMPs are chosen based on the infiltration category determined in question 7. BMPs in other categories should be ignored.

	BMP ranking for infiltration category:				
	Infiltration < 20%	Infiltration 20% - 50%	Infiltration > 50%		
Tier 1	Wet basin* Austin filter (earthen) Austin filter (concrete) Delaware filter**	Wet basin* Austin filter (earthen) Detention (unlined) Infiltration basins*** Infiltration trenches***	Wet basin* Austin filter (earthen) Detention (unlined) Infiltration basins*** Infiltration trenches*** Biofiltration Strip Biofiltration Swale		
Tier 2	Biofiltration Strip Biofiltration Swale Detention (unlined)	Austin filter (concrete) Delaware filter Biofiltration Strip Biofiltration Swale	Austin filter (concrete) Delaware filter		

<sup>\*</sup> The wet basin should only be considered for phosphorus

<sup>\*\*</sup> In cases where earthen BMPs can infiltrate, Delaware filters are ranked in Tier 2 if the TDC is nitrogen only, but they are Tier 1 for phosphorous only or both nitrogen and phosphorous.

<sup>\*\*\*</sup> Infiltration BMPs that infiltrate the water quality volume were considered previously, so only undersized infiltration BMPs or hybrid designs are considered where infiltration is less than 90% of the water quality volume.

12. Does the project discharge to a 303 dissolved oxygen?	8(d) waterbody that is listed for mercury or low	⊠Yes	□No
	NPDES Storm Water Coordinator to aware filter, wet basin, or MCTT would be a		
every Treatment BMP under considered for a different dr  X Biofiltration Strips and Biofil  Dry Weather Diversion: Checklis  Infiltration Devices: Checklis  Detention Devices: Checklis  GSRDs: Checklist T-1, Part  Traction Sand Traps: Checklis  Media Filter [Austin Sand Fi	tration Swales: Checklist T-1, Part 2 ecklist T-1, Part 3 et T-1, Part 4 et T-1, Part 5 6 dist T-1, Part 7 elter and Delaware Filter]: Checklist T-1, Part 8 t Train: Checklist T-1, Part 9	⊠Con	nplete
	et WQV (for all new impervious surfaces within on the Treatment BMP selected) will be BMP(s):%*	Con	<mark>nplete</mark>
15. Estimate what percentage of the ne the project) that will be infiltrated by%**	et WQV (for all new impervious surfaces within the preferred treatment BMP(s):	<u> </u>	<mark>nplete</mark>
	Int-of-way, and site specific determination of cted Treatment BMPs and include as R approval.	⊠n	I/A
*Note: The amount of treatment should subwatershed, unless all BMPs with SWDR.	be calculated for each BMP and each hin a project are the same. Document in		
**Note: The Water Quality Volume infilt	rated should be documented for the entire		

project and also for each subwatershed. Document in SWDR.

		Tr	eatmen	t BMPs			
		Che	cklist T	-1, Part	2		
Pro	epared by: <u>Dat Nguyen</u>	Date:10	/8/2014	District-Co	o-Route: <u>04-SM-101</u>		_
РΝ	1:22.8/26.1	Project ID	(or EA): <u>EA</u>	<u>04-3G860</u> R	WQCB:Region 2		_
Bi	ofiltration Swales / Biofil	tration Strip	)S				
_							
<u> </u>	<u>easibility</u>						
1.	Do the climate and site co	nditions allov	v vegetatio	n to be estab	lished?	⊠Yes	□No
2.	Are flow velocities from a penough to prevent scour of 873.3E)?					<u>    Yes                                </u>	□No
	If "No" to either question a not feasible.	bove, Biofiltra	ation Swale	s and Biofiltr	ation Strips are		
	<ol> <li>Are Biofiltration Swale or groundwater plumes ex If "Yes", consult with Distri proceed.</li> </ol>	ist?				Yes	□No
4.	Does adequate area exist If "Yes", continue to Des					☐Yes	□No
5.	If adequate area does not of-way be acquired to site be needed to treat WQF? If "Yes", continue to Des	Biofiltration o	devices and acres	I how much r	ight-of-way would	<u> </u>	□No
6.	If adequate area cannot be the inability to obtain adeq Treatment BMPs into the part of th	uate area pre				<u> </u>	<mark>nplete</mark>
De	esign Elements						
CO	Required Design Element – nsideration of this BMP into describe why this Treatmen	the project d	esign. Doo	cument a "No	" response in Section		SWDR
** foi	Recommended Design Electric incorporation into a project		es" respons	se is preferre	d for these questior	ns, but not	required
1.	Has the District Landscape climate and location? *	e Architect pr	ovided veg	etation mixes	s appropriate for	☐Yes	□No

2.	Can the biofiltration swale be designed as a conveyance system under any expected flows > the WQF event, as per HDM Chapter 800? * (e.g. freeboard, minimum slope, etc.)	☐Yes	Nc
3.	Can the biofiltration swale be designed as a water quality treatment device under the WQF while meeting the required HRT, depth, and velocity criteria? (Reference Appendix B, Section B.2.3.1)*	<u>Yes</u>	Nc
4.	Is the maximum length of a biofiltration strip $\leq$ 100 ft? Strips > 100 ft. may still be considered as long as potential erosion issues have been addressed.**	☐Yes	Nc
5.	Has the minimum width (perpendicular to flow) of the invert of the biofiltration swale received the concurrence of Maintenance? *	☐Yes	No
6.	Can biofiltration swales be located in natural or low cut sections to reduce maintenance problems caused by animals burrowing through the berm of the swale? **	☐Yes	No
7.	Has the infiltration rate of the bio-filtration device been calculated and maximized through amendments where appropriate. **	☐Yes	□No
8.	Have Biofiltration Systems been considered for locations upstream of other Treatment BMPs, as part of a treatment train? **	☐Yes	Nc

## Memorandum of California Department of Transportation Post-Construction Stormwater and Hydromodification Standards



## California Regional Water Quality Control Board

#### San Francisco Bay Region

Linda S. Adams
Secretary for
Environmental Protection

1515 Clay Street, Suite 1400, Oakland, California 94612 (510) 622-2300 • Fax (510) 622-2460 http://www.waterboards.ca.gov/sanfranciscobay



Date: July 21, 2008

CIWQS Place No. 212806 (BT)

California Department of Transportation Attn. Mr. James Richards P.O. Box 23660 Oakland, CA 94623-0660

Subject: Memorandum of California Department of Transportation Post-Construction Stormwater and Hydromodification Standards

Dear Mr. Richards:

This letter serves to inform the California Department of Transportation (Department) of the post-construction stormwater and hydromodification requirements applicable to Department projects in the jurisdiction of the San Francisco Bay Regional Water Quality Control Board (Water Board).

#### **Post-construction stormwater**

The Department is currently required by the Statewide Storm Water Permit (Order No. 99-06-DWQ)(Statewide Permit) to ensure installation and operation of post-construction treatment controls for stormwater on its projects to the Maximum Extent Practicable. Additionally, Department projects that require a Report of Waste Discharge be submitted to the Water Board are also required to incorporate post-construction stormwater treatment controls at a level that shall treat stormwater runoff from an area equivalent to the Project's added and reworked impervious area. The Water Board requires that treatment controls be provided to treat the full spectrum of stormwater pollutant constituents, including, but not limited to trash, total suspended solids, total dissolved solids, metals and any pollutants of concern (e.g., pollutant that impair receiving water bodies).

The Department may provide off-site treatment of stormwater runoff in instances the Department is unable to provide the full level of mandated treatment on-site. Such off-site stormwater treatment mitigation must be equivalent in water quality benefit to the foregone on-site treatment and be identified prior to the Water Board's issuance of 401 water quality certification and/or Waste Discharge Requirements. Also, the Department must fully demonstrate that on-site treatment opportunities have been fully exhausted before off-site treatment may be allowed. Given the procedural challenges identifying and securing off-site treatment opportunities, the Water Board strongly encourages the Department to provide the mandated level of stormwater treatment on-site.

#### Hydromodification

Hydromodification refers to the modification of a stream's hydrograph, caused in general by increases in flows and durations that result when land is developed (e.g., made more impervious). The effects of hydromodification include, but are not limited to, increased bed and bank erosion, loss of habitat, increased sediment transport and deposition, and increased flooding.

The Department is not currently required by the Statewide Permit to implement hydromodification controls for its projects, however, the Water Board requires Department projects to implement hydromodification controls when that project submits a Report of Waste Discharge and lies within the political boundary of a municipality subject to hydromodification requirements in a National Pollutant Discharge Elimination System (NPDES) municipal permit. Currently, areas subject to hydromodification requirements through an NPDES municipal permit include portions of San Mateo, Alameda, Santa Clara, Contra Costa, and Solano Counties. The Department shall implement hydromodification measures at a level equivalent to or greater than that required of the local municipality.

Please note that hydromodification mitigation measures must be identified in detail prior to the Water Board's issuance of 401 water quality certification and/or Waste Discharge Requirements.

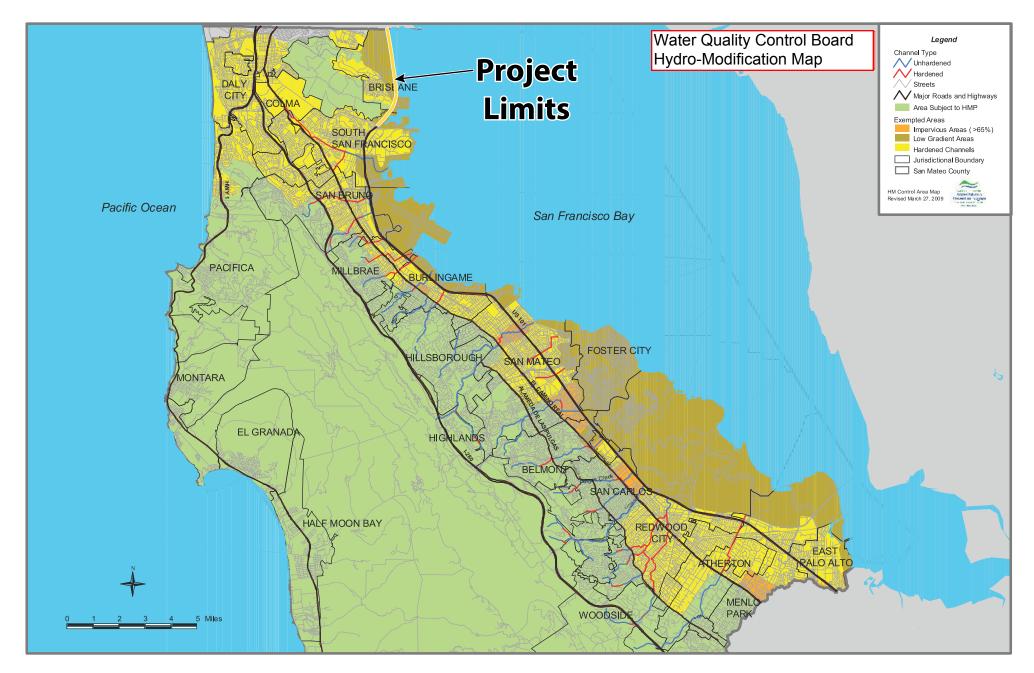
Should you have any questions, please contact Brendan Thompson of my staff at (510) 622-2506 or via email to <u>BThompson@waterboards.ca.gov</u>.

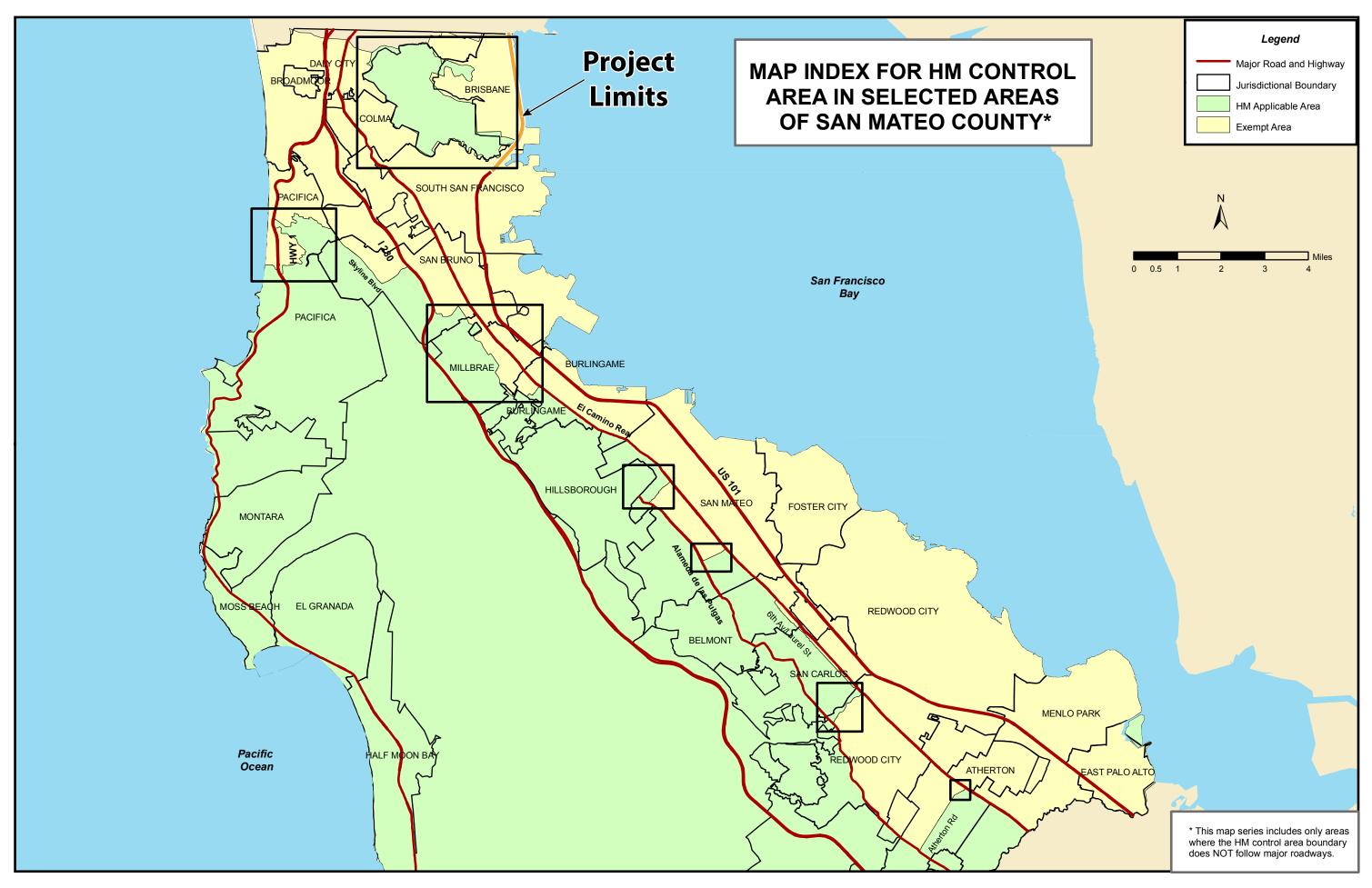
Sincerely,

Bruce H. Wolfe Executive Officer

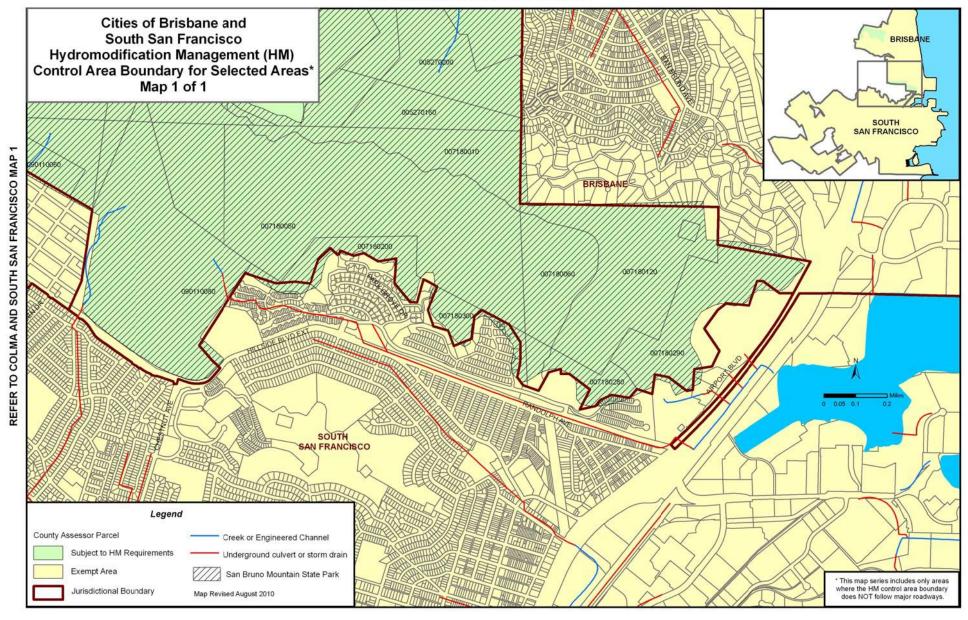
cc (via e-mail): Mr. Norman Gonsalvez, Caltrans Mr. Hardeep Takhar, Caltrans

## Water Quality Control Board's Hydro-Modification Map & Hydro-Modification control Area in Selected Areas of San Mateo County.





#### **REFER TO BRISBANE AND DALY CITY MAP 1**



# ATTACHMENT 2 PSR-PDS SURVEY NEEDS QUESTIONAIRE

Appendix S
Chapter 5 Scoping Tools – Article 8 – PSR-PDS Survey Needs Questionnaire
Preparation Guidelines for Project Study Report-Project Development Support (PSR-PDS)
Project Initiation Documents
September 30, 2011

#### ARTICLE 8

### PSR-PDS SURVEY NEEDS QUESTIONNAIRE

#### General Guidance:

The project datums, vertical and horizontal, need to be established as soon as possible in the schedule, and all other mapping adjusted to the project datums. Obsolete datums such as NAD27 and NGVD29 should not be used for new projects.

What Survey Control Datums will be used for project design and mapping?

Vertical Control

✓ NAVD 1988 (Preferred)

☐ NGVD 1929 (Alternative)

☐ Other (Must consult with Caltrans Surveys)

Horizontal Control

California Coordinate System of 1983

✓ Epoch \_1991.35

☐ Other than CCS83 (Must consult with Caltrans Surveys)

Will the project need a Sea Level Rise Risk Assessment? Yes

Will existing as-builts, centerlines, or base mapping require any datum or unit conversions? Yes

Are the right of way record maps current? **No, appear obsolete along southbound side**Is there any need to accelerate design accuracy surveys for this project? **No** 

Is the existing highway protected by levees, sea walls, or rip-rap? No

Does the project adjoin the ocean or tidal waterways? Yes

# ATTACHMENT 3 TRANSPORTATION ENGINEERING PERFORMANCE ASSESSMENT (TEPA)







# Traffic Engineering Performance Assessment US 101 Auxiliary Lanes Oyster Point Boulevard to County Line PSR/PDS



3G860k: 04 1400 0256

Draft

Prepared for:

BKF Engineers, Inc.

April 24, 2015







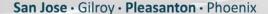
Hexagon Office: 4 North Second Street, Suite 400

San Jose, CA 95113

Hexagon Job Number: 14JH03

Phone: 408.971.6100

Client Name: BKF Engineers, Inc. Contact: Ms. Natalina Bernardi







Areawide Circulation Plans Corridor Studies Pavement Delineation Plans Traffic Handling Plans Impact Fees Interchange Analysis Parking Studies
Transportation Planning Neighborhood Traffic Calming Traffic Operations Traffic Impact Analysis Traffic Signal Design Travel Demand Forecasting

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# 1. Introduction

The San Mateo County Transportation Authority proposes to make improvements to US 101 between Oyster Point Boulevard in South San Francisco and the northern San Mateo County Line, in order to relieve existing and future congestion in the corridor.

Future study of this project in the PA/ED phase will include the development of travel demand forecasts for alternatives associated with adding auxiliary lanes, a detailed analysis of the operations of the auxiliary lanes to evaluate their effectiveness, and comparing these conditions to an analogous set of outputs for the no-build alternative.

The project limits are on Route 101 between Oyster Point Boulevard in South San Francisco and the San Mateo and San Francisco county line. The project limits include the future interchange at Harney Way/Geneva Avenue, which will be referred to in this study as the Candlestick Point Interchange (CPI). Ramp metering is proposed to be activated on the northbound direction of Route 101 (from the State Route 92 interchange to the San Francisco/San Mateo County Line) in November of 2014; and on the southbound direction in April/May of 2015. The location (project limits) and vicinity map of the project is shown on Figure 1.

The study area will be defined in the PA&ED phase of the project. The proposed project is anticipated to improve traffic operations on the mainline.

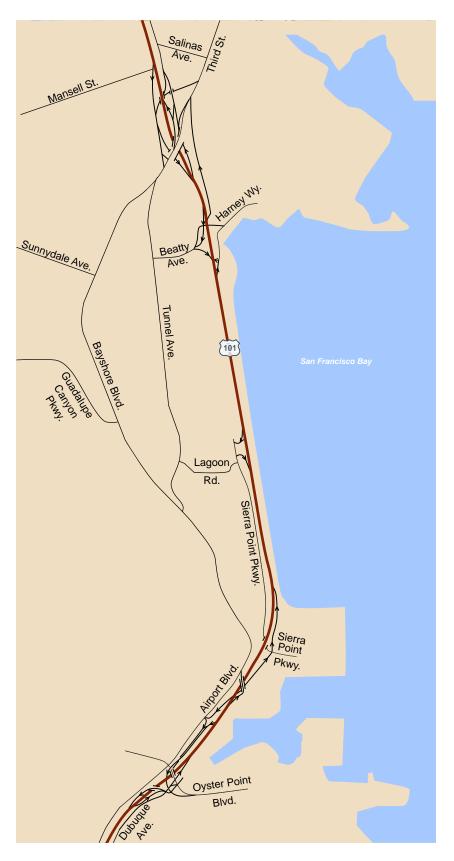


Figure 1
Project Vicinity and Study Area





# 2. **Existing Conditions**

This section describes the existing conditions in the project area, including existing traffic volumes, roadway LOS, the number of lanes on US 101, and the safety performance of the freeway.

#### **Existing Conditions Assessment**

Route 101 within the project limits is primarily an eight-lane facility. Posted speeds are 65 miles per hour from Oyster Point Boulevard interchange to Candlestick Point interchange; and 55 miles per hour north of the Candlestick Point interchange. In the direction of north to south, the corridor traverses the Bayview Hunters Point neighborhood in San Francisco, followed by the City of Brisbane, and then the City of South San Francisco. Interchanges within the project limits are Third Street (San Francisco), Candlestick Point (San Francisco and Brisbane), Sierra Point Parkway (Brisbane), Bayshore Boulevard/Cow Palace (Brisbane), and Oyster Point Boulevard (South San Francisco).

The existing conditions that were documented within this corridor in the US 101 Candlestick Point/Geneva Avenue Interchange Forecasting and Traffic Operations Report, Revised, January 2010, typically did not show congestion occurring on Route 101 during the morning peak period and during the PM peak period within the project limits. Congestion was observed at the Cesar Chavez interchange and the I-280 interchange on Route 101 and these "bottleneck locations" were included in the analysis of freeway operations in the Route 101 corridor. Based on Table 10 in the US 101 Candlestick Point/Geneva Avenue Interchange Forecasting and Traffic Operations Report, Revised, January 2010, traffic volumes within the study corridor between Oyster Point interchange and Cesar Chavez interchange ranged from 3,532 to 8,419 northbound and 5,434 to 8,774 southbound in the AM peak hour. The traffic volumes within the study corridor, also between the Oyster Point interchange and the Cesar Chavez interchange, in the PM peak hour ranged from 4,745 to 8,455 northbound and 4,626 to 9,276 southbound. Some of these volumes could be associated with queues and could therefore underestimate the actual demand in this corridor. There are four mixed-flow lanes along the study corridor on both directions. On the northbound direction of Route 101, there exists an auxiliary lane between the Oyster Point Boulevard on-ramp and the Bayshore Boulevard off-ramp, and from approximately one mile south of the CPI off-ramp to the CPI off-ramp.

Ramp metering is proposed to be activated on the northbound direction of Route 101 (from the State Route 92 Interchange to the San Francisco/San Mateo County Line) in November of 2014; and on the southbound direction in April/May of 2015.

#### **Safety Performance**

This section presents an analysis of accidents within the corridor over the three year period from July 1, 2009 through June 30, 2012. Accident data for this analysis were obtained from Caltrans District 4, Department of



Traffic Operations. During this period, a total of 241 accidents were recorded within the project limits. The accident rate for the corridor was calculated as 0.007 for fatal accidents, which is higher than the statewide average. The accident rate for injury and fatal accidents combined was calculated at 0.14 which is lower than the statewide average. The accident rate for all accidents (injury, fatal, and non-injury) was calculated at 0.34 which is also lower than the statewide average. The specific locations of accidents are shown in Table 1. Approximately 21 percent more accidents occurred in the southbound direction compared to the northbound direction. The highest number of accidents during this period was recorded for the southbound segment of Route 101 between the Sierra Point Parkway on-ramp and the Airport Boulevard off-ramp.

Table 1
Locations of Accidents on Route 101

From	То	Number of Accidents
US-101 NB Mainline		reciaents
Airport Bl. (N. Bayshore Bl.) Off-ramp	Sierra Pt. Pkwy. Off-ramp	9
Harney Wy. Off-ramp	Harney Wy. On-ramp	22
Harney Wy. On-ramp	Third St. off-ramp	4
Oyster Pt. Bl. Off-ramp	Oyster Pt. Bl. On-ramp	11
Oyster Pt. Bl. On-ramp	Airport Bl. Off-ramp	2
Sierra Pt. Pkwy. Off-ramp	Sierra Pt. Pkwy. On-ramp	33
Sierra Pt. Pkwy. On-ramp	Harney Wy. Off-ramp	28
Total		109
US-101 SB Mainline		
Alana Wy./Harney Ave. off-ramp	Alana Wy./Beatty Ave. On-ramp	32
Alana Wy./Beatty Ave. On-ramp	Sierra Pt. Pkwy. Off-ramp	14
Sierra Pt. Pkwy. off-ramp	Sierra Pt. Pkwy. On-ramp	9
Sierra Pt. Pkwy. on-ramp	Airport Bl. off-ramp	54
Airport Bl. off-ramp	Oyster Pt. Bl. Off-ramp	23
Total		132

Of the 241 accidents recorded, approximately 66% were during daylight and approximately 90% occurred on dry road conditions.

#### 3.

### **Forecast Traffic Volumes & Conditions**

This section describes the forecasts for growth by the Association of Bay Area Governments (ABAG) as well as the anticipated trends in traffic volumes in the future.

#### **Future Growth in Population and Households**

The Association of Bay Area Government, (ABAG) is a regional land use planning agency responsible for forecasting changes to the population and job supply. ABAG forecast increases of 58,000 and 101,000 in residential households for San Mateo and San Francisco Counties, respectively by year 2040. Similarly, ABAG projects job increases of 100,000 in San Mateo and 190,000 in San Francisco, within this time horizon. In addition, the Route 101 corridor is heavily utilized by trips starting or ending in San Francisco, Santa Clara, and Alameda Counties, or by trips with one trip end in San Mateo County. All of these trips are also forecast to increase as a result of residential and employment growth. These growth projections are presented in Table 2.

#### **Future Traffic Volume Changes**

Traffic volumes for the AM and PM four-hour periods are expected to increase due to increases in residential development adjacent to the corridor The CPI ramp will serve all the traffic associated with several significant development projects to the east and west of Route 101 in the immediate vicinity of the Candlestick Point interchange, including Brisbane Baylands, Executive Park, Bayview Hunters Point, and Schlage. The Candlestick Point/Hunter Shipyard project is part of a regionally designated priority-development area (PDA) of San Francisco that will ultimately add 10,000 residential dwelling units, approximately 700,000 square feet of destination retail and entertainment space, and over 2.5 million square feet of commercial space. This type of development will generate additional demand for travel within the Route 101 corridor (for the 4-hour AM and 4-hour PM periods).

#### Distribution of hourly traffic volumes during the AM peak period and PM peak period

As traffic volumes increase in the future within the project limits, the distribution of traffic volumes by hour, within the AM and PM peak 4-hour periods is anticipated to change and approach uniform levels throughout each hour. This is a typical pattern of "peak spreading" that occurs when congestion increases in already congested corridors,

Table 2
Residential and Job Growth Projections: San Francisco, San Mateo, and Adjacent Counties

	Year 2010			Future Year			- Change 2010
County	Plan Bay Area	Projections 2009	Difference	Plan Bay Area Year 2040	Projections '09 Year 2035	Difference	to 2040 Plan Bay Area
<u>Households</u>							
Alameda	545,000	557,270	-12,270	705,000	707,960	-2,960	160,000
San Francisco	346,000	346,680	-680	447,000	415,000	32,000	101,000
San Mateo	258,000	264,400	-6,400	316,000	322,620	-6,620	58,000
Santa Clara	604,000	614,000	-10,000	819,000	827,330	-8,330	215,000
<u>Employment</u>							
Alameda	694,000	712,850	-18,850	948,000	1,039,680	-91,680	254,000
San Francisco	569,000	568,730	270	759,000	806,830	-47,830	190,000
San Mateo	345,000	346,320	-1,320	445,000	505,860	-60,860	100,000
Santa Clara	926,000	906,270	19,730	1,230,000	1,412,620	-182,620	304,000

**SOURCE:** Association of Bay Area Governments (ABAG)

In a region like the Bay Area where land use projections show significant increases in population and job growth, the hourly distribution factors that are shown within hourly traffic count profiles over 24-hour periods may change in the future as the peak 4-hour periods become increasingly congested. As the peak 4-hour periods become increasingly congested, traffic will tend to spread uniformly across all four hours of the peak period. The effect of the so-called peak spreading is that the hourly distribution factors of a 4-hour peak period approach 0.25, which would reflect a uniform distribution of traffic during each of the four hours of the peak periods.

#### Forecast Traffic Volumes for the Auxiliary Lanes Alternative

A new or updated travel demand model system will be needed in the PA/ED phase to generate travel demand resulting from the alternative to add auxiliary lanes on Route 101. Since traffic volumes on Route 101 vary between mainline sections, it is not uncommon for forecasts on some segments to show increases of as much as 10 percent with an auxiliary lane alternative. Added auxiliary lanes are generally aimed at improving operational traffic flow issues, rather than adding capacity. Nevertheless, regional travel demand modeling practice is to assume that the capacity added by a new auxiliary lane is one-half of a regular through lane. As such, auxiliary lanes may also cause forecast decreases on parallel routes such as Bayshore Boulevard/Airport Boulevard and El Camino Real. These routes could experience reduced volumes under an auxiliary lane alternative, because added through-capacity (even of small amounts) within the project limits could provide some relief to the local north-south streets. The traffic volumes on east-west streets such could either increase or decrease with increased capacity within the project limits, depending on whether or not such streets provide direct access to and from the freeways.

Congestion is forecast within the project limits under Future No Project (year 2035) conditions, and the project is anticipated to reduce congestion within the project study limits by adding auxiliary lanes on Route 101.

### 4.

## **Modeling Tools/Methodologies**

The project limits are on Route 101 between Oyster Point Boulevard in South San Francisco and the San Mateo and San Francisco county line. The study area will be defined within the PA/ED phase. A series of tools will need to be developed in the PA/ED phase in order to analyze the traffic operations for the study area. A travel demand model will need to be created or refined from an existing travel demand model system, such as the C/CAG-VTA Bi-county travel demand model system. In order to analyze traffic operations, queuing, and weave/merge/diverge issues, a set of traffic operations analysis models will also need to be developed and calibrated. The calibration parameters for the traffic operations analysis models will need to be defined at the outset. A key aspect of developing useful traffic operations models is for the models to demonstrate the locations and flow rates of bottleneck segments which match observed data and patterns. Other useful field measurements include the following:

- The travel speeds (single-point based) on all sections of the project limits and the study area;
- Total travel time by direction on US 101, for the project limits and the study area;
- Delay by direction on US 101, for the project limits and the study area;
- Observations of queues in the northbound and southbound directions on US 101, for the project limits and the study area;
- Existing posted speeds on the freeways and ramps for the project limits and the study area. The posted speed from Oyster Point Boulevard interchange to Candlestick Point interchange is 65 miles per hour; and north of the Candlestick Point interchange is 55 miles per hour;
- Grades: Identify locations at which assuming grades is appropriate within the project limits and the study area,
- A truck percentage Caltrans 2008 truck data, and
- Ramp metering: Freeway distances between interchanges.

Ramp metering is proposed to be activated on the northbound direction of Route 101 (from the State Route 92 interchange to the San Francisco/San Mateo County Line) in November of 2014; and on the southbound direction in April/May of 2015. These assumptions will be incorporated within the simulation models. A related activity will be to develop travel demand models for the AM and PM peak periods that encompass not only the peak hours but the shoulder hours of the peak hours. Past modeling within this corridor looked at 4-hour AM and PM periods, which seemed to generate reasonable results from both a travel demand perspective and a traffic operations perspective.

The freeway mainline segments and ramp merge/diverge areas would be typically evaluated following the methodologies described in the 2000 Highway Capacity Manual (HCM) and would be analyzed using a set of



traffic operations analysis models. Among other outputs, these models calculate level of service. Levels of service calculations that are based on density are defined in Table 3.

Table 3
Freeway Segment Level of Service Definitions Based on Density

Level of Service	Description	Density (vehicles/mile/lane)
А	Average operating speeds at the free-flow speed generally prevail. Vehicles are almost completely unimpeded in their ability to maneuver within the traffic stream.	0-11
В	Speeds at the free-flow speed are generally maintained. The ability to maneuver within the traffic stream is only slightly restricted, and the general level of physical and psychological comfort provided to drivers is still high.	>11-18
С	Speeds at or near the free-flow speed of the freeway prevail. Freedom to maneuver within the traffic stream is noticeably restricted, and lane changes require more vigilance on the part of the driver.	>18-26
D	Speeds begin to decline slightly with increased flows at this level. Freedom to maneuver within the traffic stream is more noticeably limited, and the driver experiences reduced physical and psychological comfort levels.	>26-35
E	At this level, the freeway operates at or near capacity. Operations in this level are volatile, because there are virtually no usable gaps in the traffic stream, leaving little room to maneuver within the traffic stream.	>35-45
F	Vehicular flow breakdowns occur. Large queues form behind breakdown points.	>45

Source: Transportation Research Board, 2000 Highway Capacity Manual (Washington, D.C., 2000) p.23-3.



# 5. Recommended Scope of Traffic Studies for PA/ED

For the purpose of analyzing travel demand and traffic operations for subsequent Project Approval / Environmental Documentation (PA/ED), the following studies will be prepared:

- Recent traffic counts will be compiled from the Caltrans District 4 Office of Highway Operations.
   Additional traffic counts may need to be collected to reflect the most recent traffic data. Hourly traffic data for 24-hour periods are preferred.
- Existing conditions such as freeway levels of service analyses and locations of bottlenecks, for the project limits and the study area will be analyzed.
- The travel demand models will be updated and revalidated to reflect current traffic demand volumes.
  The travel demand model most likely to be used will be the C/CAG and VTA Bi-County model for San
  Mateo and Santa Clara Counties. The validation criteria to be used for the study will be discussed
  and agreed to with the Caltrans Travel Forecasting Branch. The travel demand models will be
  validated for 4-hour AM and 4-hour PM peak periods.
- The revalidated travel demand models will be applied to future conditions (e.g., 2040) to generate travel demand resulting from the alternatives to add auxiliary lanes on Route 101 as well as a nobuild alternative. The travel demand models will be for the AM and PM peak 4-hour periods, which encompass not only the peak hours but the shoulder hours of the peak hours. A process will be outlined through consensus with Caltrans Travel Forecasting Branch for preparing post-processing of raw model forecast results
- In order to analyze various traffic operations issues associated with adding auxiliary lanes, a set of traffic operations analysis models will be developed and calibrated to demonstrate existing conditions reasonably accurately, such as locations of bottlenecks and flow rates of bottleneck segments. The existing conditions on the study area network will be measured in the field. A proposed list of field measurements was presented in Chapter 3. The calibrated traffic operations analysis model will be used to analyze traffic operations, queuing, and weave/merge/diverge issues on both the mainline segments and associated ramps for the alternative(s) to add auxiliary lanes.
- The analyzed traffic conditions using the calibrated traffic operations analysis models will be
  evaluated for both the project alternative(s) and the no-build alternative to evaluate the effectiveness
  of adding auxiliary lanes within the project limits.

#### 6.

#### **Conclusions and Summary**

Traffic volumes are forecast to increase in the future, whether or not improvements such as added auxiliary lanes are made to Route 101. Portions of Route 101 are likely to operate at unacceptable levels of service (LOS E or F) in order to serve the projected traffic demand that is likely to be generated by significant new developments within the project limits. ABAG is forecasting significant growth by the year 2040. Almost 10 percent of the total growth in residential households for San Francisco County are well along the approval process of being built in the Bayview Hunters Point area, which is in the vicinity of the Route 101 Project.

The accident rate within the corridor overall is below the statewide average, however, the fatal accident rate is above the statewide average.

Added auxiliary lanes are generally aimed at improving operational traffic flow issues, rather than adding capacity.

Previous studies performed for the San Mateo County Transportation Authority showed that, in comparison to adding no improvements to Route 101 within the project limits, the addition of auxiliary lanes to Route 101 would improve traffic operations and generate travel time savings in the year 2035, which will be a key aspect of serving existing and future residents and workers of San Mateo County in the future. Such improvements to the freeway system could align with and complement the improvement project to re-construct the Candlestick Point Interchange. The latter is a partially funded project included in the Regional Transportation Plan (RTP) of the Metropolitan Transportation Commission (MTC).

# ATTACHMENT 4 DIVISION OF ENGINEERING SERVICES PSR-PDS SCOPING CHECKLIST

#### **ARTICLE 11**

### Division of Engineering Services PSR-PDS Scoping Checklist

#### **Project Information**

District 04 County SM Route 101 (Post Mile) 22.8/26.1 EA 04-3G860 Project ID#04 1400 0256

Project Description: Highway 101 Modifications – Between Oyster Point Boulevard Interchange and the San Francisco County line

Project Manager Luis Garcia Phone # (925) 396-7769

DES Project Liaison Engineer\* (PLE): Select a PLE from pulldown

DES Special Funded Projects Liaison Engineer: Phone #

DES Consultant Management Engineer:

Phone #

#### **Project Scope**

DES acknowledges that scope is in development at this time. The Project Liaison Engineer is available to assist the District in determining the involvement of DES functional units. The intent of the checklist is to gather as much information as possible on the alternatives to accurately identify the involvement of DES.

Describe and identify in the following sections a general description of improvements anticipated as part of the project scope that will require DES functional unit involvement.

#### Check applicable boxes describing proposed scope of project.

	New Expressway/Freeway	☐ Other Roadway Realignment	
	on new alignment	☐ Emergency/Storm Damage	□ Rockfall Project
	Construct Interchange	□ Bridge Widening	□ Left-turn Pocket
$\boxtimes$	Modify Interchange	☐ Curve Correction	☐ Modify Slope
$\boxtimes$	Bridge Replacement	☐ Building Project	☐ Stabilize Subgrade
	(New alignment? $\boxtimes$ Yes $\boxtimes$ No)	☐ Median Barrier Retrofit	☐ Stabilize Roadway
	Bridge Rehabilitation	☐ Construct Passing Lane	☐ Landslide/Slip-out
	New Bridge	■ Soundwall/Retaining Wall	☐ Bridge Deck Rehab
	Bridge Seismic Retrofit	□ Roadway Rehabilitation	□ Bridge Joint Seals
	Other Design: Explain:		

<sup>\*</sup>The Project Liaison Engineer will provide assistance with the completion of this form.

Briefly describe proposed scope of DES involvement for all alternatives.

Alternative 1: Consultant Design Oversight Alternative 2: Consultant Design Oversight Alternative 3: Consultant Design Oversight Alternative 4: Consultant Design Oversight

#### **Project Schedule**

#### **Project Cost**

**For PSR (PDS)** projects, the following section is to be used for EACH alternative, provided that the scope is significantly different.

#### Alternative # 1

Project Cost Range (\$ 1000's)		Cost of Largest Structure (\$ 1000's)		
Roadway	\$32,198	\$8,728		
Structure**	\$22,516			
Total	\$54.714			

#### Alternative # 2

<u>oject Cost Ra</u>	ange (\$ 1000's)	Cost of Largest Structure (\$ 1000's)
Roadway	\$44,305	\$13,960
Structure**	\$31,741	
Total	\$76,046	

#### Alternative # 3

nge (\$ 1000's)	Cost of Largest Structure (\$ 1000's)
\$45,344	\$13,960
\$46,668	
\$92,012	
	\$45,344 \$46,668

#### Alternative # 4

Project Cost Range (\$ 1000's)		Cost of Largest Structure (\$ 1000's)
Roadway	\$42,543	\$13,960
Structure**	\$25,643	
Total	\$68,186	

\*\*Structure Cost Range to be provided by (check one)

☐ Consultant ☐ Structure Design Technical Liaison.

#### **Project Scope Breakdown by DES Function**

#### **Photogrammetry**

Note: A Photogrammetry Service Request-PSR (PDS) must be completed and submitted to DES Photogrammetry by the District Photogrammetry Coordinator.

#### **Bridge Design Services** (check applicable boxes)

Design by:
☐ Office of Structure Design
☐ Structure Maintenance Design
☐ Office of Structure Contract Management (Consultant Design Oversight)
☑ Office of Special Funded Projects (Consultant Design Oversight)

#### **Bridge Information:**

☐ New Bridge(s)	Number	Br. Name(s) & No(s).		
□ Bridge Replacement(s)	Number 2	Br. Name(s) & No(s).		
		• Br. No. 35-0131S Sierra Point Off-		
		Ramp Separation (Replacement)		
		• Br. No. 35-0130S Sierra Point Off-		
		Ramp Overhead (Replacement)		
☐ Bridge Widening(s)	Number 1	Br. Name(s) & No(s).		
		• Br. No. 35-0130 Sierra Point		
		Overhead (Widen)		
☐ New Bridge over water	Number	Br. Name(s) & No(s).		
☐Bridge Replacement over water	Number	Br. Name(s) & No(s).		
☐Bridge Widening over water	Number	Br. Name(s) & No(s).		
☐ Bridge Rail Replacement(s)	Number	Br. Name(s) & No(s).		
☐Approach Slab	Number	Br. Name(s) & No(s).		
☑Bridge with Railroad Involved	Number 2	Br. Name(s) & No(s).		
		• Br. No. 35-0130 Sierra Point		
		Overhead (Widen)		
		Br. No. 35-0130S Sierra Point Off-		
		Ramp Overhead (Replacement)		
☐Bridge w/ Scour Analysis	Number	Br. Name(s) & No(s).		
☐Bridge w/ Special Design or	Number	Br. Name(s) & No(s).		
Retrofit				

#### Other DES functional units required for Structure Work

☐ Structure Hydraulics (include if bridge is over or adjacent to water	r)
☐ Preliminary Investigations (Structure Foundation Plan)	
☐ Geotechnical Services (Structure Foundations)	

#### Wall Design Data for Structure Design & Geotechnical Services

☐ Soundwall(s)	Est. Max. Ht	□ Standard	□ Special
Number	Est. Length	Design	Design
□ Ret. walls(s)	Est. Max. Ht 18'		
Number 9	Est. Length 8,900'	Design	Design
☐ MSE Wall(s)	Est. Max. Ht	□ Standard	□ Special
Number	Est. Length	Design	Design

Chapter 5 Scoping Tools – Article 11– PSR-PDS DES Scoping Checklist
Preparation Guidelines for Project Study Report-Project Development Support (PSR-PDS)
Project Initiation Documents
September 30, 2011

				Septem	ioer 50, 201	
Geotechnical Servi	ces					
Is Ov	ersight for consultant prepar	ed geotechni	cal reports r	equired?		
□ Ye	s 🛮 No					
Has t	Has the Geotechnical Design Liaison or other geotechnical person been contacted?					
□ Ye	s ⊠ No If yes, who?					
Terra	nin ⊠ Flat	□ Rolling		☐ Mount	ainous	
Cuts:		Est. Volun	ne (m³):	□ New	□ Widen	
Fills:	Est. Max Height (ft)15	Est. Volun		□ New	□ Widen	
		•		•	•	
	Structures		1			
<b>-</b>	verhead Sign Foundations		Number 12	2		
	hangeable Message Sign Foun	dations	Number			
Other	••					
		C 11 .		11		
	pecial Studies (slope stability, rocluefaction, slipout repair, rock slope			i water, settie	ment,	
-	isting Maintenance Problems:	Expla Expla				
		Вири				
<b>Technical Specialis</b>	t Design					
Antic	ipated insertable plan sheet(s	) check belov	w:			
	fulvert(s)	Nun	nber			
□В	arrier(s)	Nun	Number			
□ S	igns and Overhead Structures	Nun	Number			
	Other Design:	Exp	Explain:			
Transportation Are	chitecture Design					
□D	esign New Building(s)	Exp	lain:			
□R	emodel Existing Buildings(s)	Exp	lain:			
□В	☐ Bridge Aesthetics Evaluation Explain:					
□В	☐ Build scale model Explain:					
Electrical, Mechan	ical, Water & Wastewat	er Design				
□P	umping Plants	Exp	lain:			
	Movable bridge, drawbridge	Exp				
	☐ Lighting control system for facilities   Explain:					

#### **Materials Engineering & Testing Services**

**Pavement** 

☐ Sanitary Systems

$\square$ Rigid $\square$	Flexible	Average Grade	Average Superelevation			
☐ Deflection Study Required		No. of Locations	Lane/miles to be tested			
Consultation and Inspection						
☐ Loop detectors ☐ Signal & Light		al & Lighting Products	☐ Changeable Message Signs			
	Closed Circuit TV					
☐ Concrete Bridge	☐ Steel Bridge					

Explain:

#### **Materials Engineering & Testing Services (Continued)**

	Corrosion Tests			
	□ Soil	☐ Concrete	☐ Cathodic Protecti	ion System
	Other			
	☐ Special Products:	Explain		
	<u> </u>	·		
Additional Studie	s, Investigations or	r Research from DE	S	
Identify additional studi	es or investigations that	may be required from DES	Functional Units.	None.
Prepared By:		Dat	te	
•				
Dlagge submit this for	m to DEC to the ottent	ion of the Ducient Linison	Engineer Office	of
		ion of the Project Liaison	•	01
Project Delivery, in the	ne subdivision of Progra	am/Project & Resource N	lanagement.	

DES will provide a Structure Cost Estimate Range, for each alternative and a resource summary estimate to be included in the project workplan.

## ATTACHMENT 5 DESIGN SCOPING INDEX

#### Design Scoping Index

Attach the project location map to index to show the location of all design improvements.

Today's Date:	03/13/2015	
Status (Initial, Update):	Initial	

#### **General Information:**

District:	County:	Route:	Post Mile	Project Number
04	SM	101	22.8/26.1	04 1400 0256

Project Manager	Richelle Perez	Phone #	510-286-4998
Task Manager		Phone #	
Project Engineer	Mimy Hew	Phone #	510-286-5578
Design Functional Manager		Phone #	

General Project	In the Northbound direction, a two-lane auxiliary lane is proposed between the					
Description:	Oyster Point Boulevard on-ramp to the Bayshore Boulevard off-ramp providing 6					
	lanes of travel. A standard auxiliary lane is proposed on northbound US-101					
	between the Bayshore Boulevard off-ramp to the Candlestick Point off-ramp					
	providing 5 lanes of travel. In the southbound direction, an auxiliary lane is					
	proposed between the Candlestick Point on-ramp and the Sierra Point Parkway off-					
	ramp providing 6 lanes. A single lane auxiliary lane continues from the Sierra Point					
	Parkway off-ramp to the Oyster Point Boulevard off-ramp.					
Project Need:	US 101 within the Project limits serves as a main commute corridor to and from San					
	Mateo County, San Francisco, and the Bay Bridge. It is also considered a major					
	commute route connecting San Francisco and Silicon Valley, as well as providing					
	access to San Jose International Airport in the southern end of the corridor and San					
	Francisco International Airport (SFO) in the northern end of the corridor. According					
	to Caltrans' US 101 South Corridor System Management Plan (CSMP), dated					
	December 2010, US 101 would deteriorate and operate with delay and congestion					
	with no improvements to corridor. This is based on the traffic forecast year 2030					
	with no improvements to the corridor. The CSMP has reported that the peak-period					
	vehicle miles of travel on US 101 between I-380 and the San Francisco County line					
	is forecast to increase 115 percent in the AM peak period and 103 percent in the PM					
	peak period by 2030. The expected increase in demand will result in an increase to					
	the peak-period vehicle-hour of delay (VHD) on US 101 within San Mateo County.					
	The VHD is forecast to increase by 176 percent by the year 2030 compared to 2009					
	existing conditions without the project. The increase in VHD would deteriorate the					
	overall US 101 traffic operations which would also worsen traffic safety. The					
	forecasted congestion and delay are due to growth estimated in the area.					
Project Purpose:	The Project has the following specific purposes:					
	Reduce delay and existing and future traffic congestion on Route 101					
	Improve weaving operations at the ramps					
	Enhance safety by improving traffic operations					

Item	Considerations	Yes/No/	Comments (summarize pertinent
		Specify	information. assumptions and
			reference location of detailed
			information):
1. Project	Rural or Urban?	Urban	
Setting (refer	Current Land Uses: (e.g., industrial,	Freeway	
to Planning	light industry, commercial, agricultural		
Scoping	residential etc).		
Checklist)	Adjacent Land Uses:		Light industrial and commercial
	Existing Landscaping:	No	
	Designated or Eligible Scenic Highway	No	

The following pages are to be used for each alternative provided that the scope is significantly different. If a route has been adopted as a freeway, a decision must be made as to whether or not the project will address improvements to the existing traversable highway or move to construction of a freeway facility.

Item	Con	siderations	Yes/No/ Specify	Comments (summarize pertinent information, assumptions and reference location of detailed information):
Design	1.	Design Concept?		
Concept and		Freeway/Expressway/	Yes	
Route Matters		Conventional Highway	105	
		Mixed highway and transit		
		Mixed highway and rail		
		Urban		
		Other		
	2.	Existing Route Adoption Date	TBD	
	3.	New Route Adoption Proposed?	No	
	4.	Existing Freeway Agreement Date	TBD	
	5.	New Freeway Agreement	No	
	٥.	Proposed?	110	
	6.	Public Road Connection	No	
		Proposed?		
Design	1.	Design speed for highway		
Criteria		facilities within the project limit		
		mi/hr?	70	
	2.	Design Period: (10 yr/15 yr/20 yr)	20yr	
		Construction Year	2020	
		Design Year	2040	
	3.	Design Capacity - Level of	TBD	
		Service to be maintained over the		
		design period:		
		Mainline		
		Ramp		
		Local Street		
		Weaving Sections		
	4.	Design Vehicle Selection		
		STAA	X	
		California		
		Bus		

Forecasted Average Daily	<u>TBD</u>
Traffic volumes	
Percent truck volume	TBD%

#### Proposed Roadbed and Structure Widths

	Roadbed Width		Structure Width			
State Highway	Existing	Proposed	Standard	Existing	Proposed	Standard
Lane widths/#	11'-12'/4	12'/5	12'/5	12'/4	12'/5	12'/5
Left Shoulder	8'-10'	10'	10'	5'	10'	10'
Right Shoulder	8'-10'	10'	10'	2'	10'	10'
Median Width	12'-36'	22'-36'	36'	12'	22'-36'	36'
Bicycle lane						
Sidewalk						
Planting strip						
<b>Local Streets</b>						
Lane widths/#						
Left Shoulder						
Right Shoulder						
Median Width						
Bicycle lane						
Sidewalk						
Planting strip						

Item	Consideratio	ns	Yes/No/ Specify	Comments (summarize pertinent information, assumptions and reference location of detailed information):
Roadway Design Scoping	1. Mainline Operations	Main lane highway widening?	Yes	Auxiliary Lanes
		Existing pavement to be rehabilitated with Asphalt Concrete/Rubberized AC/PCC?	No	
		Widen existing facility from 4 lanes to 5 lanes.	Yes	
		Local street structures to span lanes.	5	
		Curb extensions	No	
		Shoulder improvements	No	
		Bicycle lanes	No	
		Pedestrian refuge islands	No	
		Sidewalks	No	
		Right of Way acquisition required for lanes.	Yes	At NB ramp modification, Sierra Pt Parkway off-ramp
		Upgrade existing facility to: Expressway/Freeway/ Controlled Access Highway/ Traversable Highway Standards?	No	
		Improve Vertical Clearance	No	
		Adequate Falsework Clearance	Yes	
		Traffic calming features	No	

Item	Considerations		Yes/No/ Specify	Comments (summarize pertinent information, assumptions and reference location of detailed information):
Roadway	2. Ramp/Street	New Signals?	No	
Design Scoping	Intersection Improvements	Modify Existing Signals?	No	
		Right Turn Lanes	Yes	
		Widening for Localized Through lanes?	No	
		Merging Lanes?	No	
		Deceleration/ Acceleration lanes?	No	
		Left Turn Lanes?	No	
		>300 VPH Left Turn	TBD	
		(Requires Double Left Turn Lane)		
		Interchange Spacing?	No	Oyster Pt. Blvd/Sierra Pt Blvd (0.95 miles)
		Ramps Intersect Local Street < 4% grade?	Yes	
		Intersection Spacing?	Yes	
		Exit Ramps >1,500	Yes/No	NB Sierra Pt Parkway exit. Not
		VPH (Requires two lane exit)		provided on Alt 1, 2, & 4. Provided on Alt. 3.
		Single lane ramps exceeding 1000' widened to Two lanes	Yes	NB Sierra Pt Parkway exit is exceeding 1000' on all Alternatives. Two are not
		Curb Ramps?	Yes	provided on Alt 1, 2, 3, &4  Modified on Alt 3 at NB Sierra Pt Parkway exit
		Pedestrian Facilities?	Yes	Sidewalk conform & curb ramp on Alt 3 on Sierra Pt Parkway exit
		Other?	No	
Operational Improvements	Truck Climbing Lane	Sustained Grade exceeding 2% and Total Rise Exceeds	No	
		50'?	NT.	
	Auvilian	Other?	No Yes	
	Auxiliary Lanes	Successive On- Ramps?	Yes	
		Two lane Exit Ramps have 1300' Auxiliary Lane?	Yes/No	NB Sierra Pt Pkwy Exit. Not provided on Alt 1 & 2 Provided on Alt 3, & 4.
		Weaving < 2000' between off-ramp and on-ramp?	Yes/No	NB between Oyster Pt on-ramp and Bayshore Blvd exit. Not provided on Alt 1 & 2 Provided on Alt 3, & 4.
		Other?		

Item	Considerations	Yes/No/ Specify	Comments (summarize pertinent information, assumptions and reference location of detailed information):
Right of Way Access Control	Existing access control extends at least 50 ft beyond end of curb return, radius or taper?	No	Not provided at SB Sierra Pt Pkway exit and SB South San Francisco exit
	New construction access control extends at least 100' (urban areas) or 300' (rural areas) beyond end of curb returns, radius or taper?  Other?	Yes	Will be provided on Alt 3 at NB Sierra Point Pkwy exit
Highmore		Yes	
Highway Planting and Irrigation	Clearing and Grubbing?  Relocate Existing Irrigation Facilities?  Highway Planting and Irrigation (including median and roadside)	Yes	Highway planting and irrigation systems will be provided in accordance with Caltrans Replacement Planting Policy.
Roadside Management	Vegetation control treatments (road edge, guardrails, signs, drainage facilities, miscellaneous pavement narrow areas, etc.)	TBD	
	Modernization and clustering of facilities and hardware (removing and replacing other items), gore area pavement	Yes	
	Rehabilitate gore area pavement and pavement beyond gore areas (remove and replace miscellaneous pavement and curbs	Yes	
	Contour grading, slope rounding, stepped slopes and topsoil reapplication	Yes	
	Side slopes/embankment slope	Yes	
Safety	Off-Freeway Access (gate, access road, and stairways)	No	
	Maintenance Vehicle Pull-Out	TBD	
	Adequate safety working conditions	TBD	
	Relocate roadside facilities/features (cabinets, poles, pull boxes and vaults) away from traffic	Yes	
Hydraulics/	Erosion Control?	Yes	Alt 3
Stormwater	Drainage?	Yes	
(Refer to the Stormwater data sheet)	Slope Design?	Yes	
Structures (Refer to Structures Scoping	New Bridge? Providing public access for recreational purposes must be fully considered for new bridges over navigable rivers.	Yes	
Checklist or	Bridge Rehabilitation?	No	
APS)	Retaining Wall	Yes	
•	Bicycle or Pedestrian Overcrossing/Undercrossing	No	
	Other		
	On STRAIN list for: Bridge Nos. 35-0130, 35-0130S, 35-0131S	Yes	

Other	Class I Bikeway (bicycle path)	No	

# ATTACHMENT 6 QUALITY MANAGEMENT PLAN

#### QUALITY MANAGEMENT PLAN FOR

## PSR-PDS US 101 Auxiliary Lane Project-Oyster Point to San Francisco County Line ID #04 1400 0256 EA 04-3G860

Approved by  Richelle Perez, Caltrans Project Manager	04/13/2015 Date
Approved by Jim McKim, SMCTA Project Manager	4/6/15 Date
Approved by Natalina Bernardi, BKF Project Mariager	4/10/15 Date

#### **Definitions**

Lead Agency - San Mateo County Transportation Authority (SMCTA)

Consultant – BKF Engineers

Sub-Consultants – BKF Engineers Sub-Consultants (Biggs Cardosa, David Powers & Associates, Hexagon Transportation Consultants, Parikh Consultants)

QA/QC- Quality Assurance/ Quality Control

#### Introduction

The purpose of the Quality Management Plan is to facilitate an effective and efficient process for the development, review and approval of Project Initial Documents (PIDs) for State Highway System (SHS) projects sponsored by others. The project sponsor and/or implementing agency must develop and follow a Quality Management Plan that meets the standards of professional practice and satisfies requirements of the project scope, cost, and schedule. The Project Managers from Caltrans and the Lead Agency shall ensure that all Project Development Team (PDT) members utilize the Quality Management Plan elements as described in this document during the production and review of PIDs. QA/QC will be performed before deliverables are presented to Caltrans for review. Each team member must understand the project objectives, apply sound engineering principles and is expected to produce quality, accurate, and complete documents within the project schedule and budget. Project documents will be prepared in accordance with current Caltrans regulations, policies, procedures, manuals, and standards including compliance with Federal Highway Administration (FHWA) requirements.

The following information describes the quality procedures that will be implemented for work performed during all phases of development, review and approval of locally implemented PIDs.

#### **Quality Control Reviews**

- 1. Quality Control (QC) Reviews shall be conducted for all deliverables. A project schedule shall be developed with the consensus of the PDT that identifies anticipated reports, submittal dates and review periods.
- **2.** Prior to submission to Caltrans, each deliverable will be subject to review by senior staff and the Lead Agency Project Manager.
- **3.** Project documents will be reviewed for conformance with project design criteria, legibility, and completeness and compliance with regulatory and code requirements.
- **4.** All QC comments will be evaluated by the Consultant's Lead Author for the document, discussed with the QC reviewer as needed and, if appropriate, incorporated into the deliverable. The Lead Agency and Caltrans Project Manager will review and approve the resolution of each comment.

#### Checking of Calculations

Final report calculations associated with the conceptual alternatives, cost estimates, and traffic technical reports shall be checked for reasonableness. All calculations shall be reviewed by the Consultants Lead

#### Checking of Drawings

Conceptual geometric plans figures, mapping, and preliminary bridge plans (if applicable) shall be checked in accordance with established standards (e.g. Highway Design Manual and local standards).

#### Quality Assurance

The Project Managers from Caltrans and the Lead Agency, along with its Consultant(s) will be responsible for the development of deliverables and assure that the stated quality control procedures are being followed. A Quality Assurance Log that includes dates when documents were received, reviewed, and names of the QC reviewers shall be maintained for each report or work product.

#### Reporting Structure

An organization chart that describes the reporting structure and assigned staff that are involved in the QA/QC shall be developed at the beginning of the PID project.

#### QA/QC Duties and Responsibilities

Quality control begins with assigning the most appropriate person to each task. Each member of the team should be responsible for controlling the quality of the product, beginning with the project staff through to the Project Managers. The qualifications of the team members overseeing and doing the work should be identified. All team members should be in constant communication with the each other and their respective Principals and Project Managers in regards to project status, schedule, and any issues that might arise during the development of the PID.

The duties and responsibilities of each of the project members in coordinating and guiding the project efforts are described below:

- **a. Principals-in-Charge** (**PICs**) Responsible for allocation of resources and monitoring of the project to ensure adherence to the project objectives, schedule, budget, approvals, and ensuring that the QC/QA plan is in place and being implemented. Provides periodic audits of technical work and performance of respective staff.
- **b.** Caltrans Project Manager Responsible for Independent Quality Assurance as described in the Cooperative Agreement.
- c. Lead Agency Project Manager Responsible for completion of project scope and tasks, and adherence to project schedule and budget, including QA/QC program. The Project Manager allocates resources to various elements of the work, establish and implement the Quality Management Plan, schedule the various activities and adjust plans as the work progresses to identify potential problem areas and resolve them in a timely manner. The Project Manager is responsible for technical review and approval of project documents before issuance to the reviewing agency; certifies that each submittal has been prepared and checked in accordance with Caltrans standards, policies, and procedures, sound engineering practices and represents a quality product; and maintains frequent contact and communication with the Caltrans Project Manager to assure satisfaction with the progress and performance.
- **d.** Consultant Project Manager The Consultant Project Manager reviews and monitors the implementation of the QA/QC practices and processes and ensures consistency with Caltrans

standards, policies, and procedures. The Consultant Project Manager identifies the quality control actions required to be taken, the resources to be applied to these quality control actions, and interaction of these activities with the other elements of work. In this process, it is essential that the Consultant Project Manager clearly identify the personnel involved and their duties; allocate time, effort, and resources to the quality control function; and reviews and revises the allocated resources appropriately as the work progresses. The Consultant Project Manager is responsible for production of the technical work produced by their staff. They also assist the Lead Agency Project Manager and Caltrans Project Manager in the execution of the Quality Management Plan. The Consultant Project Manager reports administratively to the Lead Agency Project Manager and Caltrans Project Manager and works closely with them in the early identification and resolution of any product deficiencies. This includes but is not limited to:

- Perform periodic reviews of quality control documentation;
- Identification and control of nonconforming conditions
- d. Consultant's Technical Staff The Consultant's Technical Staff are responsible to their Consultant Project Manager for the quality of the work produced within their respective disciplines. In this capacity, the Technical Staff establishes operating guidelines and areas of responsibility within the activity; monitors the work periodically to assure adherence to the contract scope of services and to the established reviewing procedures to ensure consistency with Caltrans standards, policies, and procedures, advises the Consultant Project Manager regarding the progress of work and of any circumstances that may require particular attention; reviews work prior to submittal to the Lead Agency Project Manager, Caltrans Project Manager, and Consultant's Project Manager for quality control review; resolves QC review comments; insures comments are incorporated into the final document and reviews completed work before it is transmitted to the Lead Agency Project Manager, Caltrans Project Manager, and Consultant's Project Manager for approval and submittal to the reviewing agencies.

#### **Document Control**

The Consultant shall make available and maintain electronic records and hard copies of drafts and final reports for inspection upon request during the development of the PSR-PDS.

#### Control of Sub-Consultants

If a portion of the scope of work is subcontracted out by the Lead Agency's Consultant, then all Sub-Consultants will have the same responsibilities as the Consultant.

EXHIBIT A
LIST OF DELIVERABLES AND ASSIGNED QC REVIEWERS

Task No	Deliverable	Prepared By	Consultant Reviewer	Lead Agency Reviewer
1.0	Charter	BKF	Carmelo Cecilio	Jim McKim
1.0	QMP Plan	BKF & Subs	Carmelo Cecilio	Jim McKim
1.0	Project Schedule	BKF	Carmelo Cecilio	Jim McKim
2.0	Design Scoping Index	BKF	Carmelo Cecilio	Jim McKim
4.0	Purpose and Need	BKF	Carmelo Cecilio	Jim McKim
5.0	Alternatives Geometry	BKF	Carmelo Cecilio	Jim McKim
7.0	PEAR	DPA	John Hesler	Jim McKim
7.0	Site Investigation Report	Parikh	Gary Parikh	Jim McKim
7.0	Structures Cost Estimate	BCA	Anthony Notaro	Jim McKim
7.0	Transportation Planning Scoping Information Sheet	BKF	Carmelo Cecilio	Jim McKim
5.0	TEPA	Hexagon	Jill Hough	Jim McKim
9.0	Capital Outlay Project Cost Estimates	BKF	Carmelo Cecilio	Jim McKim
10.0	Project Risk Register	BKF	Carmelo Cecilio	Jim McKim
11.0	Storm Water Data Report	BKF	Carmelo Cecilio	Jim McKim
11.0	PSR-PDS Survey Needs Questionnaire	BKF	Carmelo Cecilio	Jim McKim
10.0	DES Scoping Checklist	BCA	Anthony Notaro	Jim McKim
11.0	Right of Way Conceptual Cost Estimate Component	BKF	Carmelo Cecilio	Jim McKim
11.0	Draft PSR-PDS	BKF	Carmelo Cecilio	Jim McKim
12.0	Final PSR-PDS	BKF	Carmelo Cecilio	Jim McKim

# ATTACHMENT 7 PHASE I INITIAL SITE ASSESSMENT

## PHASE I INITIAL SITE ASSESSMENT ROUTE 101 IMPROVEMENTS FROM OYSTER POINT BOULEVARD INTERCHANGE TO SAN MATEO/SAN FRANCISCO COUNTY LINE SAN MATEO COUNTY, CALIFORNIA EA: 3G860K PROJECT ID: 04 1400 0256

#### For

#### BKF Engineers 4670 Willow Road, Suite 250 Pleasanton, CA 94588



#### PARIKH CONSULTANTS, INC.

2360 Qume Drive, Suite A San Jose, CA 95131 (408) 452-9000

January 15, 2015 Job No. 2010-142-ISA

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EDR Radius Map Report		
Reference Reports		



#### PHASE I INITIAL SITE ASSESSMENT

### ROUTE 101 IMPROVEMENTS FROM OYSTER POINT BOULEVARD INTERCHANGE TO SAN MATEO/SAN FRANCISCO COUNTY LINE SOUTH SAN FRANCISCO, SAN MATEO COUNTY, CALIFORNIA

EA: 3G860K PROJECT ID: 04 1400 0256

#### SUMMARY OF CONCLUSIONS

This Phase I Initial Site Assessment (ISA) was performed by PARIKH Consultants, Inc. to evaluate whether potential sources or indications of hazardous substance contamination are present along Route 101 corridor from the Oyster Point Interchange to the south to San Mateo/San Francisco County border to the north in South San Francisco, San Mateo County, California. The project involves addition of auxiliary lanes northbound from Sierra Point Parkway Boulevard on-ramp to Bayshore Boulevard off-ramp, and from Sierra Point Parkway on-ramp to Candlestick Point off-ramp. In the southbound direction, the project involves addition of auxiliary lanes from Candlestick Point on-ramp to Sierra Point Parkway off-ramp and from Sierra Point Parkway off-ramp to Oyster Point off-ramp. This alternative proposes to reconstruct the northbound Bayshore Boulevard off-ramp. Bayshore Boulevard overcrossing will be also constructed into a two lane structure that merges into a single lane. In addition, the project may involve realigning the concrete channel part of the Colma Creek Watershed located north of the US-101. Two lanes are proposed on the northbound Oyster Point Boulevard on-ramp to conform to the new auxiliary lane, and bridge 35-0321S on northbound Oyster Point Boulevard will also be widened to incorporate the two lanes proposed. Reconstruction of the median barrier is also proposed throughout the project limits.

The study included a field inspection of the project area, and a review of listings of Federal and State regulatory agencies that are responsible for recording incidents of spills, and soil and ground water contamination and transfer, store, or disposal facilities that handle hazardous materials.

Previous land uses at the project area were primarily limited to commercial and industrial uses.

A site reconnaissance of the project area was conducted to identify nearby sites or land uses that might adversely affect the corridor due to environmental hazards.

A review of previous land use and the site reconnaissance indicates that the nearby roadways have supported vehicular activity since the 1940s and even though the new interchanges were built in the 1990s, there is potential for presence of soil impacts of areas that were left



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Page 2

undisturbed during the previous construction. Therefore it is likely that the surface soils along these roadways are affected by deposition of aerial lead. It is recommended that for areas where surface soil will be disturbed, surface samples of soil be collected and analyzed for total lead.

Based on review of the site history and regulatory environmental reports, the area surrounding the Oyster Point Boulevard interchange was used as a steel mill prior to the 1980's. Galvanizing operations were noted in the Sanborn maps adjacent to or under the current Oyster Point Boulevard. Also railroad tracks traverse under Oyster Point Boulevard. Review of site closure reports for nearby sites that have been closed under regulatory oversight, indicate presence of heavy metals and petroleum hydrocarbons in the soil that could be associated with the historical industrial operations and railroad activities. Therefore it is recommended that if the project involves disturbance of soil for installation of footings, gutters, etc., the area designated for disturbance should be characterized for such contaminants.

Review of current and historical land uses also identified presence of railroad tracks that traverse under Route 101. Railroad tracks cross underneath Oyster Point Boulevard and traverse parallel to Route 101 until Sierra Point Parkway at which point they cross westbound under Route 101 and move northwest parallel to Bayshore Boulevard. Potential project area work may involve work adjacent to the railroad tracks. Soils adjacent to railroad tracks have typically been impacted with heavy metals, TPH as diesel (TPH-D), fuel oil, and PCBs, railroad ties (polynuclear aromatics) or slag ballast used to set the ties (heavy metals). It is therefore recommended that the surface soils in the areas adjacent to the former tracks where soil disturbance is anticipated be sampled and analyzed for TPH-D, heavy metals, and polynuclear aromatic hydrocarbons. A workplan should be prepared and sampling and analytical program should be developed prior to initiation of the work.

Review of regulatory reports aerial photographs and USGS maps indicate that north of Bayshore Boulevard, Route 101 was built on infill material in the 1950's. There is potential for presence of hazardous materials in the infill material, as the environmental requirements were not as strict as they are today. In the event the project involves excavation of soils and disturbance of groundwater within the Route 101 right-of-way, the soils and groundwater should be characterized prior to excavation so that proper health and safety measures could be put into effect and disposal options could be identified.



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Review of area geology indicates presence of Franciscan greenstone rock formation in the rock formation north of the San Francisco/San Mateo County line. Naturally occurring asbestos (NOA) has been detected in various formations of the Franciscan greenstone. Therefore there is potential for NOA to be present at the northern end of the project right-of-way and should be investigated.

Other than noted above during the project area site reconnaissance, environmental areas of concern were not readily identified or apparent based on the scope of work performed in this project.

This conclusion, and any and all conclusions, recommendations and information included in this report are based upon the information that was readily available to PARIKH Consultants, Inc. at the time of the site visit, and on PARIKH Consultants, Inc.'s professional judgment and reviews using accepted environmental site assessment practices pursuant to the scope of work.



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#### 1.0 INTRODUCTION

This Phase I Initial Site Assessment (ISA) was performed to identify potential environmental impacts to the Route 101 corridor from Oyster Point Boulevard Interchange to San Mateo/San Francisco County border in South San Francisco, San Mateo County, California. The project location map is presented in Plate 1.

From Oyster Point Boulevard Interchange to Bay Shore Boulevard Route 101 alignment follows in a southwest to northeast direction, and after the Bayshore Boulevard, Route 101 alignment changes to a northerly direction. For the purposes of the discussion in this report, Route 101 is assumed to have a north-south direction, and Oyster Point Boulevard and Bayshore Boulevard overcrossings are assumed to go from east to west. Site characteristics in the report are described based on this designation.

The purpose of this investigation was to identify and evaluate potential hazardous waste sites and update the evaluation of environmental factors that may have affected the soil and groundwater quality in the project vicinity due to past and present environmental and commercial activities. This report was prepared by PARIKH Consultants, Inc.

The ISA studies were performed between September 18 and October 6, 2014 and included the following scope of work:

- Site visit and visual inspection of exterior of the project vicinity
- Review of Previous Environmental Reports in the project vicinity
- Review of computer database government record search of hazardous waste sites within 1-mile of the project
- Review of area hydrogeology
- Review of available agency records for the project vicinity
- Preparation of a written report summarizing the results

The following sections present the details and findings of the Phase I Initial Site Assessment:

- Section 2.0 Project Description and Historic Information
- Section 3.0 Physical Site Inspection
- Section 4.0 Regulatory Review
- Section 5.0 Conclusions and Recommendations
- Section 6.0 Limitations



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#### 2.0 PROJECT DESCRIPTION AND HISTORIC INFORMATION

#### 2.1 PROJECT DESCRIPTION

Four alternatives have been explored as possible solutions for meeting the project's purpose and need. All four including the No Build Alternative are described below:

**The No Build Alternative** – The No Build Alternative – The No Build alternative would maintain current facilities. Northbound and southbound US 101 would continue to have no auxiliary lane.

**Alternative 1** – This alternative proposes auxiliary lanes in both the northbound and southbound directions of US 101 between Candlestick Point interchange and Oyster Point Boulevard. The following locations are where the auxiliary lanes are proposed:

- Northbound Sierra Point Parkway on-ramp to Candlestick Point off-ramp.
- Southbound Candlestick Point on-ramp to Sierra Point Parkway off-ramp.
- Southbound Sierra Point Parkway on-ramp to Oyster Point Boulevard off-ramp.

This alternative proposes the reconstruction of a single lane northbound Bayshore Boulevard off-ramp with the reconstruction of the Sierra Point Off-ramp Separation (Bridge No. 35-0131S), and the widening of the Sierra Point Overhead (Bridge No. 35-0130). Eight retaining walls will be required and the median barrier is proposed to be reconstructed throughout the project limits.

**Alternative 2** – This alternative proposes auxiliary lanes in both the northbound and southbound directions of US 101 between Oyster Point Boulevard and Candlestick Point interchange while providing standard inside and outside shoulders and lane widths. The following are the auxiliary lane locations:

- Dual auxiliary lanes Northbound Oyster Point Boulevard on-ramp to Bayshore Boulevard off-ramp
- Northbound Bayshore Boulevard off-ramp to Candlestick Point off-ramp
- Dual auxiliary lanes Southbound Candlestick Point on-ramp to Sierra Point Parkway off-ramp
- Southbound Sierra Point Parkway off-ramp to Oyster Point Boulevard East off-ramp



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This alternative proposes to reconstruct the northbound Bayshore Boulevard off-ramp into a two lane off-ramp, reconstruct the Sierra Point Off-Ramp Separation (Bridge No. 35-0131S) into a two lane structure that merges into a single lane, and widen the Sierra Point Overhead (Bridge No. 35-0130). Nine retaining walls will be required and the median barrier is proposed to be reconstructed throughout the project limits. In addition, this alternative would require realigning a portion of the concrete channel from the Colma Creek Watershed located west of US 101.

Alternative 3 – The design elements of this alternative are the same as Alternative 2 with the addition of the realignment of the northbound Sierra Point Parkway off-ramp and the northbound Bayshore Boulevard off-ramp. This alternative proposes to remove the northbound Bayshore Boulevard off-ramp and instead proposes a collector road which serves both the Sierra Point Parkway off-ramp and a ramp connection over US 101 to Bayshore Boulevard. The Sierra Point Off-ramp Overhead (Bridge No. 35-0130S) and the Sierra Point Off-ramp Separation (Bridge No. 35-0131S) will need to be reconstructed for these new ramp alignments. Seven retaining walls will be required with this alternative.

Alternative 4 – This alternative will be the same as Alternative 2 with the exception that it will completely eliminate the northbound Bayshore Boulevard off-ramp. The elimination of this off-ramp would eliminate the partial isolated interchange and improve the weaving distance between Oyster Point Boulevard and the Bayshore Boulevard off-ramp. By eliminating this ramp, access from northbound US 101 to the City of Brisbane will be only be by the remaining interchanges to the north and south. Seven retaining walls will be required with this alternative.

For the purposes of the Phase I ISA assessment, we are assuming Alternative 3 as it has the largest foot print.

#### 2.2 HISTORICAL AERIAL PHOTOGRAPH REVIEW

To examine the historical use of the area, a review of aerial photographs, obtained through Environmental Data Resources, Inc., (EDR) from 1943, 1956, 1965, 1973, 1977, 1982, 1993, 1998 and 2005 was performed. A summary description of the photographs reviewed is presented below.



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The 1943 photo shows presence of Butler Road at approximately the current location of Oyster Point Boulevard, and a road at current location of Route 101. Railroad tracks are visible and a number of warehouses are also seen to the east and west of the railroad tracks. Surrounding area is industrial. The cove to the east appears to be occupied by naval ships, and it appears that the area was used as a loading station for the Navy. The 1943 photo also shows that the current footprint of current Route 101 is under water. Margin of the bay is visible approximately 200 feet to the west of the current Route 101. Several railroad tracks are visible on the margins of the bay, in the area that appears to be infilled. At the southeast end of the infill area, black stained area is visible at the waterline appearing as release of oil from surface to bay water. Further west a large number of railroad tracks and rail cars are visible in the former location of Southern Pacific Railroad.

The 1956 aerial photo shows presence of Route 101 and freeway on ramps and off-ramps for Butler Road. Dubuque Avenue is visible in the 1956 aerial photo. Industrial warehouses and properties are visible on the east side of the railroad tracks. A building is also visible to the north side of Butler Road. Areas to the west of Route 101 appear to be developed with residential properties. The photo also shows additional infill and presence of a road in the current location of Route 101 north of Bayshore Avenue. A lagoon is visible further south of the infill area west of the freeway.

The 1965 and 1973 aerial photos are similar to the 1956 aerial photo except additional industrial use is shown in the property north of Butler Road. Route 101 is shown fully developed in the 1965 aerial photograph. The 1982 aerial photo shows significant modification of the industrial use of the area, where the industrial properties to the east of the railroad tracks south of Butler Road have been removed as the area appears to be planned for redevelopment.

The 1993 photo shows presence of office buildings in the area that were redeveloped in 1982. The industrial property north of Butler Road has also been removed. The 1998 and 2005 aerial photos generally show presence of the Oyster Boulevard, Route 101, and the Bayshore Boulevard overpass and the current interchange overpasses, on ramps and offramps.

#### 2.3 HISTORICAL USGS MAP REVIEW



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USGS maps from 1899, 1947 (San Mateo South), 1950, 1956, 1968, 1973, 1980 and 1993 (South San Francisco) obtained through Environmental Data Resources, Inc., were reviewed. These USGS maps are included in Appendix B. Elevation of the site is at approximately 10 feet above mean sea level and site slope is relatively flat. General area drainage is towards the east. The USGS maps generally show similar patterns as the observations made in the aerial photos above.

The 1899 map shows presence of Visitation Valley south of the San Mateo County and San Francisco County boundary. South of Visitation Valley is Rodeo Viejo. A cove is visible south of the current San Mateo County line. The 1947 map shows infilling of some of the cove and presence of railroad tracks within Visitation Valley. The tracks traverse south and merge to a single line at Visitation Point. The 1950 map shows additional tracks added to the rail yard within Visitation Valley which is identified as Southern Pacific. The 1956 map shows James Lick Freeway under construction in current location of Route 101. Visitation Point has changed name to Visitacion Point. Construction of the freeway has created a lagoon east of Visitacion Point. The 1968 map shows areas east and south of Visitacion point are now covered with infill. The footprint of the lagoon identified in the 1956 map has reduced. A race track identified as speedway is present in the area west of Route 101, across to the west of Harney Road.

Review of the geologic maps; Wagner 1991 Quadrangle San Francisco and San Jose Quadrangle, indicate presence of Franciscan greenstone rock formation in the rock formation north of the San Francisco/San Mateo County line. Naturally occurring asbestos (NOA) has been detected in various formations of the Franciscan greenstone. Therefore there is potential for NOA to be present at the northern end of the project right-of-way.

#### 2.4 HISTORICAL SANBORN MAP REVIEW

Historical Sanborn maps for 1925, 1950, 1956 and 1970 provided through EDR were reviewed for the area surrounding the Oyster Point Boulevard interchange. (Appendix C). The maps show presence of the General Pipe and Steel Company on the east side of the railroad tracks both to the north and south of Butler Road. The steel company later changes name to Consolidated Western Steel in 1950 and American Bridge Steel Corporation in 1970. In all Sanborn maps, a wire galvanizing operation is shown to be present south of Butler Road. In the 1925 Sanborn Map a number of acid tanks, caustic tanks and a fuel tank



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is visible immediately to the south of Butler Road. Galvanizing operations are usually associated with elevated zinc and lead concentrations. There is also potential for presence of fuel oil as a heat source for melting the metals used for galvanization.

#### 3.0 PHYSICAL SITE INSPECTION

Observations made during the site inspection walk/drive-through of the project vicinity are described in the following paragraphs. The Project Area inspection was performed on September 27, 2014.

#### 3.1 SITE VISIT

The site visit consisted of walk/drive-through of the area of study and observation of potential problem sites or visual contamination.

Oyster Point Boulevard traverses from a westerly to easterly direction and crosses over Route 101. To the east before Route 101, Oyster Point Boulevard crosses over railroad tracks. The northbound on ramp to Route 101 is to the west of the railroad tracks. To the north of Oyster Point Boulevard east of the railroad tracks is fenced vacant property. To the south is an office building. To the east of Route 101, east of the on ramp is a parking area and further to the north is Public Storage building.

From Oyster Point Boulevard to Bayshore Boulevard, the eastern side of the Project Area is occupied by railroad tracks, and further to the east by hotels, and commercial complexes. To the east side are either residential properties or vacant land.

Past the Bayshore Boulevard exit, the freeway traverses over the railroad tracks and goes under the Sierra Point Parkway over crossing. The freeway then lowers in elevation as it traverses further north to nearly sea level. There it is bound by Sierra Point Parkway to the west and the bay to the east. Further west of the Sierra Point Parkway is a lagoon. Sierra Point Parkway ends at Lagoon Road which traverses towards the west.

Further north, the west side of the Project Area is bound by the Brisbane Landfill and the east side is bound by the San Francisco Bay. To the north of the Project Area, Beatty Avenue is just off the Candlestick Park freeway exit. At the southwest of Beatty Avenue intersection with Alanna Way is Bayland Soil Processing Inc. and Brisbane Recycling Company Inc. located at 5 Beatty Avenue. A white pipeline (apparently part of a landfill gas collection



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system) was observed at the entry. The pipeline was also observed traversing on the property in an east west direction parallel with Beatty Avenue. Landfill gas collection wells were observed in several locations along Beatty Avenue, and the collection wells are connected to the conveyance piping. To the northwest of the Alanna Way intersection with Beatty Avenue is parking lot for Recology and San Francisco Sunset Scavenger. The lot is being used as a parking lot for storage of garbage trucks, transfer trucks and frat tanks. Sunset Scavenger Company is also present on the south side of Beatty Avenue west of the Brisbane Recycling Company east of Tunnel Avenue.

#### 3.2 AERIAL LEAD DEPOSITION

The Project Area has generally supported vehicular traffic since the 1940's. There is likelihood that the surface soils are impacted with aerially deposited lead (ADL) as a result of past operations. A workplan for investigation of surface soils along the proposed road work should be prepared to determine which areas may have been impacted with hazardous levels of ADL.

#### 3.3 IMPACTS FROM RAILROAD OPERATIONS

Railroad tracks cross underneath Oyster Point Boulevard and traverse parallel to Route 101 until Sierra Point Parkway at which point they Cross westbound under Route 101 and traverse north west parallel to Bayshore Boulevard. Potential project area work may involve work adjacent to the railroad tracks. Soils adjacent to railroad tracks have typically been impacted with heavy metals, TPH as diesel, fuel oil, and PCBs. Soils along railroad tracks may also be impacted from locomotives (TPH as diesel, i.e. TPH-D), railroad ties (polynuclear aromatics) or slag ballast used to set the ties (heavy metals). It is therefore recommended that the surface soils in the areas adjacent to the former tracks be sampled and analyzed for TPH-D, heavy metals, and polynuclear aromatic hydrocarbons. A workplan should be prepared and sampling and analytical program should be developed prior to initiation of the work.

### 3.4 ASBESTOS CONTAINING MATERIALS AND LEAD BASED PAINT

Based on the review of aerial photographs, the current overcrossing structures are less than 30 years old. Due to its age there is no potential for presence of asbestos containing materials



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(ACM). The aerial photographs also showed several re-paving efforts associated with Route 101. Due to the age of these surface repaving activities being since the 1990's, there is low or no potential for presence of lead based paint in surface pavement markings.

#### 4.0 REGULATORY REVIEW

#### 4.1 DATABASE AND REGULATORY REVIEWS

A search of environmental regulatory databases was conducted for the Project Area. The database search was conducted by Environmental Data Resources, Inc. (EDR) to determine whether documentation exists related to environmental incidents at the site or surrounding properties. The databases searched and respective search distances from the site location (project limits) as specified by ASTM guidelines are as follows:

#### • Federal Databases

- o National Priority List (NPL) 1 mile
- o Proposed National Priority List (Proposed NPL) 1 mile
- o Comprehensive Environmental Response Compensation, and Liability Information System (CERCLIS) ½ mile
- o CERCLIS No Further Remedial Action Planned (CERCLIS NFRAP) 1/4 mile
- o Corrective Action Report (CORRACTS) 1 mile
- o Resource Conservation and Recovery Information System treatment, storage disposal facility (RCRIS-TSD) ½ mile
- o RCRIS Large quantity generator − ½ mile
- o RCRIS small quantity generator − ½ mile
- o Emergency Response Notification System (ERNS) Project limits
- o Superfund (CERCLA) Consent Decrees (CONSENT) 1 mile
- o Records of Decision (ROD) 1 mile
- o Delisted NPL 1 mile
- Facility Index System/Facility Identification Initiative Program Summary Report (FINDS) – Project limits
- o Hazardous Material Reporting System (HMIRS) Project limits
- o Material Licensing Tracking System (MLTS) Project limits
- o Mines master index file (MINES)  $\frac{1}{4}$  mile
- o Federal Superfund liens (NPL liens) Project limits
- o PCB Activity Database System (PADS) Project limits
- o RCRA Administration Action Tracking System
- o Toxic Chemical Release Inventory System (TRIS) Project limits
- o Toxic Substance Control Act (TSCA) Project limits
- o Section 7 Tracking System (SSTS) Project limits
- o FIFRA/TSCA Tracking System (FTTS) Project limits



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- State of California, Regional and County Databases
  - Annual Workplan Sites (AWP) 1 mile
  - o Cal sites Databases (CAL-SITES) 1 mile
  - o California Hazardous Material Incident Report System (CHMIRS) 1 mile
  - o "Cortese" Hazardous Waste and Substance Sites List (CORTESE) 1 mile
  - o Proposition 65 Records (NOTIFY 65) 1 mile
  - o Toxic Pits Cleanup Act Sites (TOXIC PITS) 1 mile
  - o State Landfill − ½ mile
  - o Waste Management Unit Database (WMUDS/SWAT) − ½ mile
  - o Leaking Underground Storage Tank Information System (LUST) − ½ mile
  - o Bond expenditure Plan (CA BOND EXP. PLAN) 1mile
  - o Active UST Facilities (UST) ½ mile
  - o Facility Inventory Database (CA FID UST) ¼ mile
  - o Hazardous Substance Storage Container Database (HIST UST) ¼ mile
  - o Aboveground Petroleum Storage Tank Facilities (AST) Project limits
  - o Cleaner Facilities (CLEANERS) ½ mile
  - o Waste Discharge System (CA WDS) Project limits
  - o List of Deed Restrictions (DEED) Project limits
  - o Spills, Leaks, Investigation and Cleanup Cost Recovery Listing (CAL SLIC) − ½ mile
  - o Hazardous Waste Information System (HAZNET) − ¼ mile

The results of the EDR database search and descriptions of the environmental databases are provided in Appendix D.

Review of the EDR database and regulatory records indicate that the majority of the sites identified as LUST of SLIC sites that were located upgradient or near the project area are closed.

• The EDR report erroneously identifies Oyster Point Dump Map ID 30 on the project right-of-way. However the dump/Marina is further to the east of the Site. Oyster Point Inter Area 2 which is listed as Site ID 30 is the intersection of Oyster Point Boulevard and Route 101. Based on the review of the EDR report and DTSC Envirostore documents, during construction of on/off ramps to Route 101, soil impacted with hazardous levels of lead zinc and petroleum hydrocarbons were identified. The contaminated soil was stockpiled, characterized and disposed off at an appropriate landfill. The source of the soil contamination appears to be related to the historical industrial operations in the area.



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• Property at 3745 Bayshore Boulevard (or Map ID 21) is the VWR Scientific property listed on the SLIC and LUST databases. Review of site data obtained through file reviews at the San Mateo County Health Department (See Appendix E) indicates that routine due diligence activities identified chlorinated solvents in the groundwater that may be associated with historical site operations. San Mateo County later transferred the case to the RWQCB. Immediately downgradient of this site are the railroad tracks and the lagoon. The only route this site may pose an adverse environmental impact to the Project Area is through groundwater. Due to the presence of the lagoon, this site is not likely to pose an adverse environmental concern.

• Property at 245 Tunnel Road (Map ID 16) is listed on the County Databases as Brisbane Landfill. The property is bordered to the north by Beatty Avenue, to the west by Caltrain tracks and to the east by the limits of San Francisco Bay. The landfill was created with infill material consisting of municipal waste and construction debris in the 1930's through 1960's, and covered with up to 20 feet of imported soil to allow future development. Currently there is a landfill gas collection system, and a leachate collection system operating on portions of the landfill. Majority of the area is being used as a soil processing and recycling operation. Several groundwater monitoring wells are placed on the west side of the Route 101 right-of-way to assess the shallow and deep groundwater at this site. Review of the most recent groundwater monitoring report (Appendix E) indicates historical presence of arsenic and trace levels of chlorinated and or volatile organic compounds. The proposed right-of-way will pass adjacent to the landfill. If the project involves soil excavation or placement of pilings or drilling, there is potential for the soil to be impacted with various hazardous chemicals, soils within the footprint of the work should be tested for metals, petroleum hydrocarbons, pesticides and PCBs. Based on the results, proper health and safety measures should be established for onsite construction workers and soil disposal options, if any, should be determined.

Other sites identified in the area consist of closed LUST sites and sites under DTSC review where no further action was issued.

Review of Envirostore data base did not identify any additional sites within the project area that would be of environmental concern; however review of the specific project files for closed sites identified presence of heavy metals such as lead and zinc, and heavy petroleum



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hydrocarbons in site soils near the Oyster Point Boulevard interchange. These chemicals could also be associated with historical area use as a steel foundry.

#### 5.0 CONCLUSIONS AND RECOMMENDATIONS

- A review of previous land use and the site reconnaissance indicates that the nearby roadways have supported vehicular activity since the 1940s and even though the new interchanges were was built in the 1990s, there is potential for presence of soil impacts of areas undisturbed during the previous construction. Therefore it is likely that the surface soils along these roadways are affected by deposition of aerial lead. It is recommended that for areas where surface soil will be disturbed, surface samples of soil be collected and analyzed for total lead.
- Based on review of the site history and regulatory environmental reports, the area surrounding the Oyster Point Boulevard interchange was used as a steel mill prior to the 1980's. Galvanizing operations were noted in the Sanborn Maps adjacent to or under the current Oyster Point Boulevard. Also railroad tracks traverse under Oyster Point Boulevard. Review of site closure reports for nearby sites that have been closed under regulatory oversight, indicate presence of heavy metals and petroleum hydrocarbons in the soil that could be associated with the historical industrial operations and railroad activities. Therefore it is recommended that if the project involves disturbance of soil for installation of footings, gutters, etc., the area designated for disturbance should be characterized for such contaminants.
- Review of current and historical land uses also identified presence of railroad tracks that traverse under Route 101. Railroad tracks cross underneath Oyster Point Boulevard and traverse parallel to Route 101 until Sierra Point Parkway at which point they cross westbound under Route 101 and traverse northwest parallel to Bayshore Boulevard. Potential project area work may involve work adjacent to the railroad tracks. Soils adjacent to railroad tracks have typically been impacted with heavy metals, TPH as diesel, fuel oil, and PCBs, railroad ties (polynuclear aromatics) or slag ballast used to set the ties (heavy metals). It is therefore recommended that the surface soils in the areas adjacent to the former tracks where soil disturbance is anticipated be sampled and analyzed for TPH-D, heavy metals, and polynuclear aromatic hydrocarbons. A workplan



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should be prepared and sampling and analytical program should be developed prior to

initiation of the work.

• Review of regulatory reports aerial photographs and USGS maps indicate that north of

Bayshore Boulevard, Route 101 was built on infill material in the 1950's. There is

potential for presence of hazardous materials in the infill material, as the environmental

requirements were not as strict as they are today. In the event the project involves

excavation of soils and disturbance of groundwater within the Route 101 right-of-way,

the soils and groundwater should be characterized prior to excavation so that proper

health and safety measures could be put into effect and disposal options could be

identified.

• Review of area geology indicates presence of Franciscan greenstone rock formation in

the rock formation north of the San Francisco/San Mateo County line. Naturally

occurring asbestos (NOA) has been detected in various formations of the Franciscan

greenstone. Therefore there is potential for NOA to be present at the northern end of the

project right-of-way and should be investigated.

Other than noted above during the site reconnaissance of the project area, environmental areas of

concern were not readily identified or apparent based on the scope of work performed in this

project. Based on PARIKH Consultants, Inc.'s Phase I Environmental Site Assessment findings,

environmental conditions or issues of concerns, other than noted above, were not identified or

indicated.

6.0 LIMITATIONS

The operations, facility conditions and information obtained and utilized in the preparation

of this report have been obtained in part from the client, and their employees or agents, and

various government officials and are assumed by PARIKH Consultants, Inc. to be complete and

correct. It should be noted that this information is subject to professional interpretation, which

leads to conclusions, which may differ, based upon opinions specific to individuals.

This report has been presented in accordance with generally accepted environmental assessment

practices, based upon the information set forth within the report narrative, for specific

application to the proposed Route 101 Improvement project from Oyster Point Boulevard

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interchange to San Francisco County border improvement in South San Francisco, California.

No warranty, expressed or implied, is made.

The conclusions in this report are qualitative opinions based on limited quantitative information.

Soil and groundwater sampling and analysis were not a part of this scope of work. The scope of

work was limited to observation of the surface at a specific time, a limited aerial survey review,

and environmental database research. This assessment is not designed to predict future site or

off-site conditions. Also, site conditions can differ at locations other than those observed along

the project corridor. Subsurface conditions can differ from those observed on the surface.

This investigation is not a risk assessment and is not intended to provide information needed for

public health risk assessment purposes. The consultant has endeavored to determine as much as

practical about the site conditions given what we consider to be a reasonable amount of analysis

and research time. Additional investigation or sampling and analysis could result in information

that would lead to revised conclusions. Additional search can usually turn up more information

but frequently with a diminishing rate of information return for the effort spent. The degree of certainty of an environmental assessment is proportional to the time and effort spent. However,

the degree of certainty cannot be 100% even with highly detailed exploratory drilling and testing

work well beyond the scope of this study.

Respectfully submitted,

PARIKH CONSULTANTS, INC.

Gary Parikh, P.E., G.E. #666

Project Manager



# APPENDIX A, B, C, D & E

# APPENDIX A

## **EDR Aerial Photo Decade Package**

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

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## **Date EDR Searched Historical Sources:**

Aerial Photography June 19, 2009

## **Target Property:**

Route 101/Geneva Avenue San Francisco, CA 94005

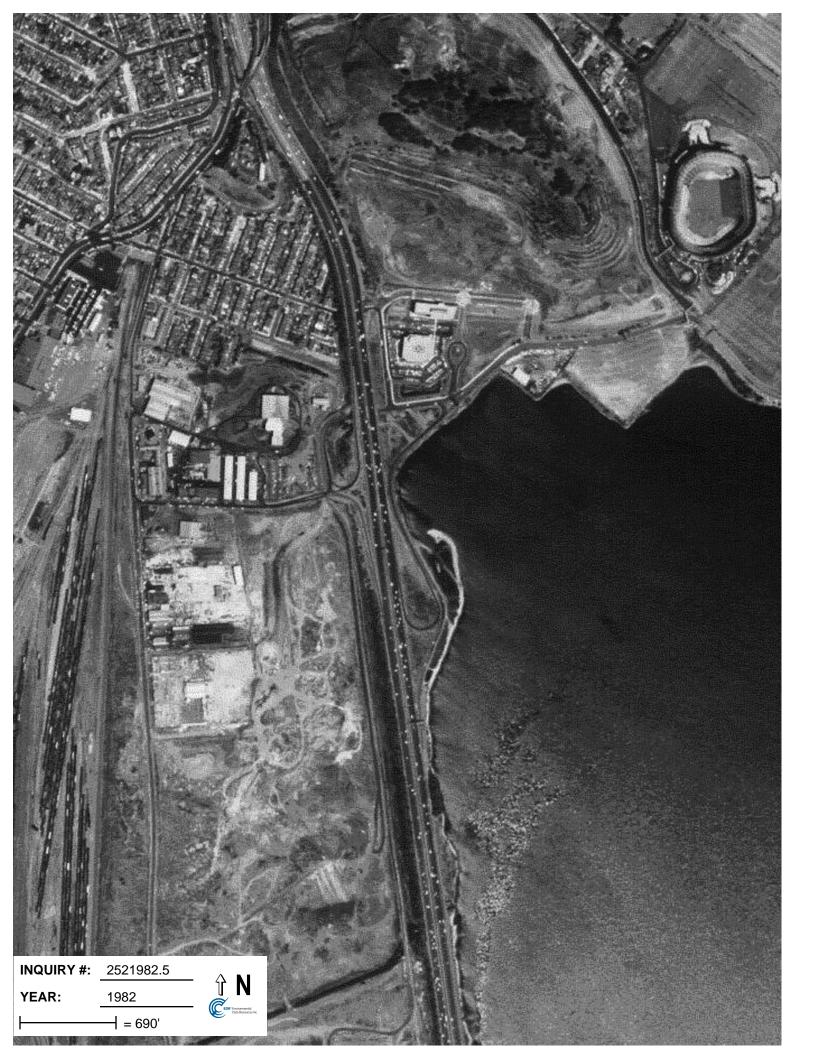
<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1943	Aerial Photograph. Scale: 1"=555'	Flight Year: 1943	Aero
1956	Aerial Photograph. Scale: 1"=655'	Flight Year: 1956	Clyde Sunderland
1965	Aerial Photograph. Scale: 1"=333'	Flight Year: 1965	Cartwright
1977	Aerial Photograph. Scale: 1"=541'	Flight Year: 1977	NASA
1982	Aerial Photograph. Scale: 1"=690'	Flight Year: 1982	USGS
1993	Aerial Photograph. Scale: 1"=666'	Flight Year: 1993	USGS
1998	Aerial Photograph. Scale: 1"=666'	Flight Year: 1998	USGS
2005	Aerial Photograph. Scale: 1"=484'	Flight Year: 2005	EDR

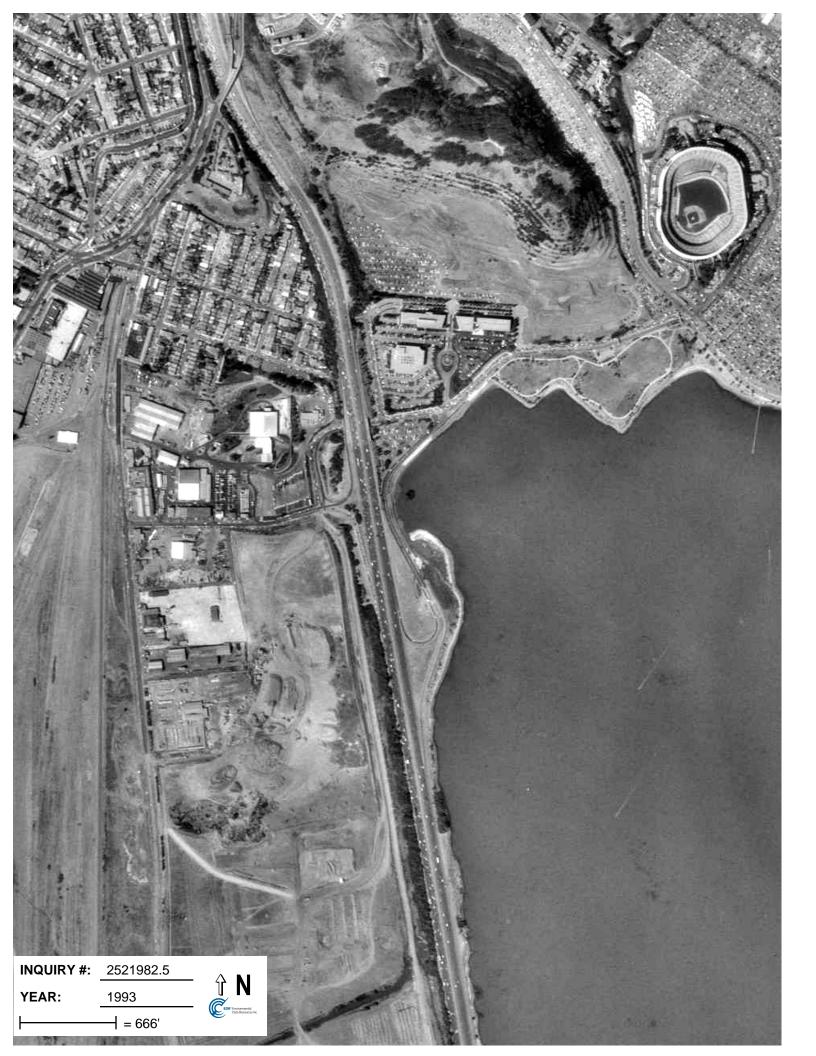
















## **EDR Aerial Photo Decade Package**

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

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## **Date EDR Searched Historical Sources:**

Aerial Photography March 02, 2011

## **Target Property:**

Oyster Point Blvd.

South San Francisco, CA 94080

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1943	Aerial Photograph. Scale: 1"=555'	Flight Year: 1943	Aero
1956	Aerial Photograph. Scale: 1"=655'	Flight Year: 1956	Clyde Sunderland
1965	Aerial Photograph. Scale: 1"=333'	Flight Year: 1965	Cartwright
1973	Aerial Photograph. Scale: 1"=541'	Flight Year: 1973	NASA
1982	Aerial Photograph. Scale: 1"=690'	Flight Year: 1982	USGS
1993	Aerial Photograph. Scale: 1"=666'	Flight Year: 1993	USGS
1998	Aerial Photograph. Scale: 1"=666'	Flight Year: 1998	USGS
2005	Aerial Photograph. Scale: 1"=604'	Flight Year: 2005	EDR

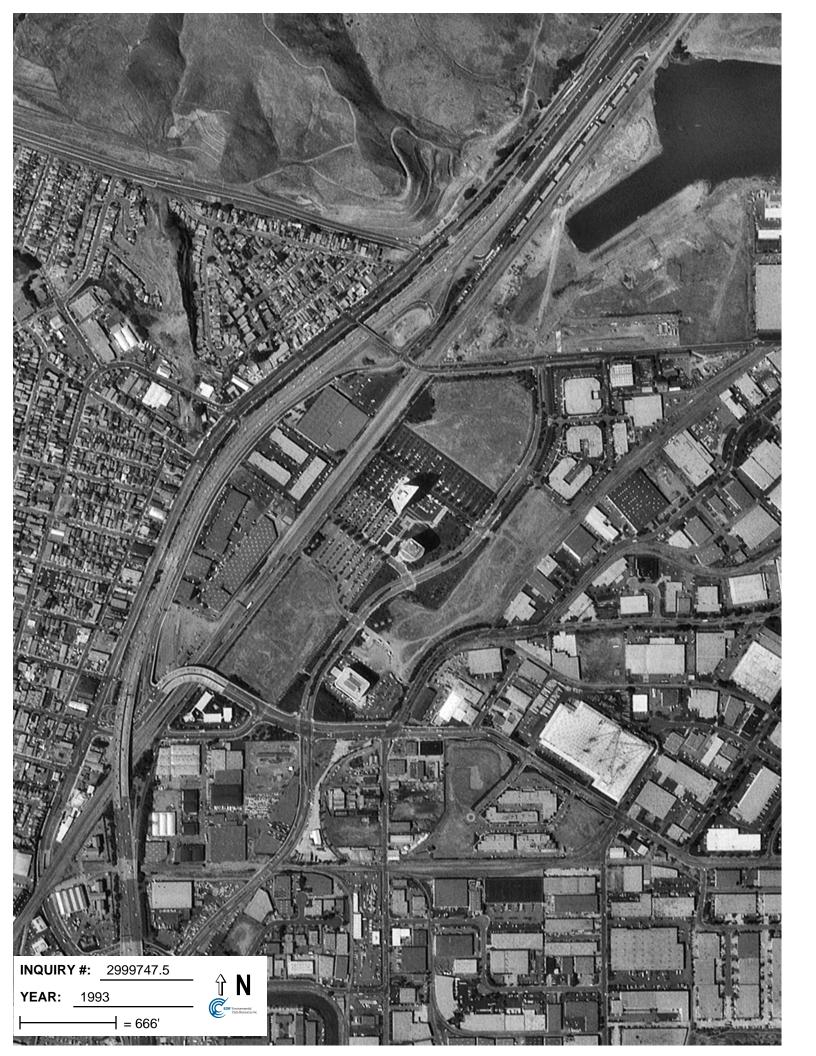
















# APPENDIX B

# **EDR Historical Topographic Map Report**

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

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N  TARGET QUAD

NAME: SAN MATEO

MAP YEAR: 1899

SERIES: 15 SCALE: 1:62500 SITE NAME: Route 101/Geneva Avenue

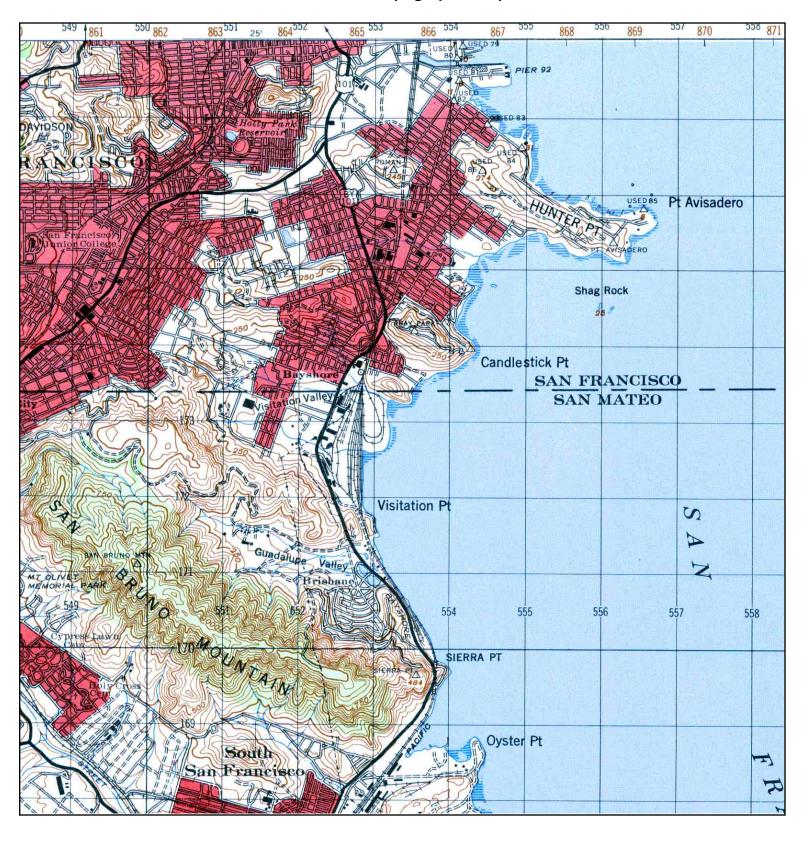
ADDRESS: Route 101/Geneva Avenue

San Francisco, CA 94005

LAT/LONG: 37.7076 / 122.394

CLIENT: Parikh Consultants

CONTACT: M. Bazari INQUIRY#: 2521982.4



N

TARGET QUAD

NAME: SAN MATEO

MAP YEAR: 1947

SERIES: 15 SCALE: 1:50000 SITE NAME: Route 101/Geneva Avenue

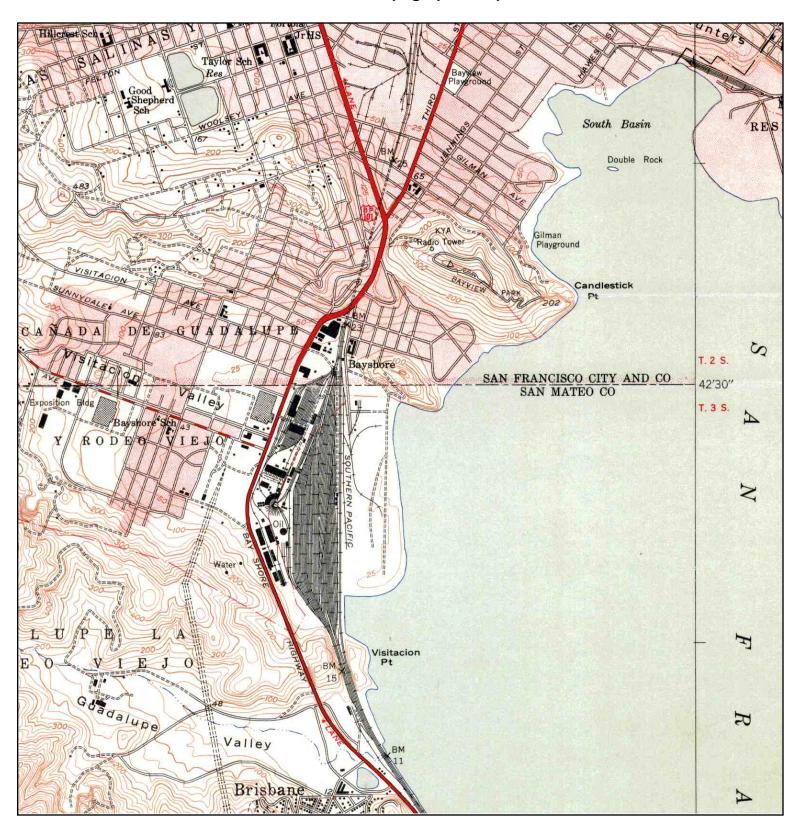
ADDRESS: Route 101/Geneva Avenue

San Francisco, CA 94005

LAT/LONG: 37.7076 / 122.394

CLIENT: Parikh Consultants

CONTACT: M. Bazari INQUIRY#: 2521982.4



N A TARGET QUAD

NAME: SAN FRANCISCO

SOUTH

MAP YEAR: 1950

SERIES: 7.5 SCALE: 1:24000 SITE NAME: Route 101/Geneva Avenue

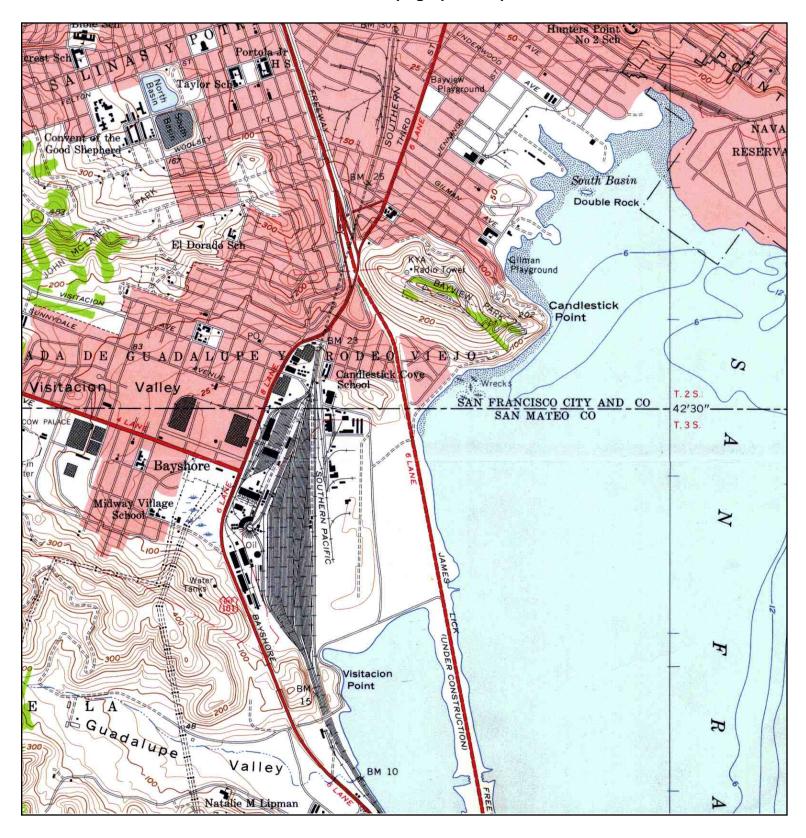
ADDRESS: Route 101/Geneva Avenue

San Francisco, CA 94005

LAT/LONG: 37.7076 / 122.394

CLIENT: Parikh Consultants

CONTACT: M. Bazari INQUIRY#: 2521982.4



N A TARGET QUAD

NAME: SAN FRANCISCO

SOUTH

MAP YEAR: 1956

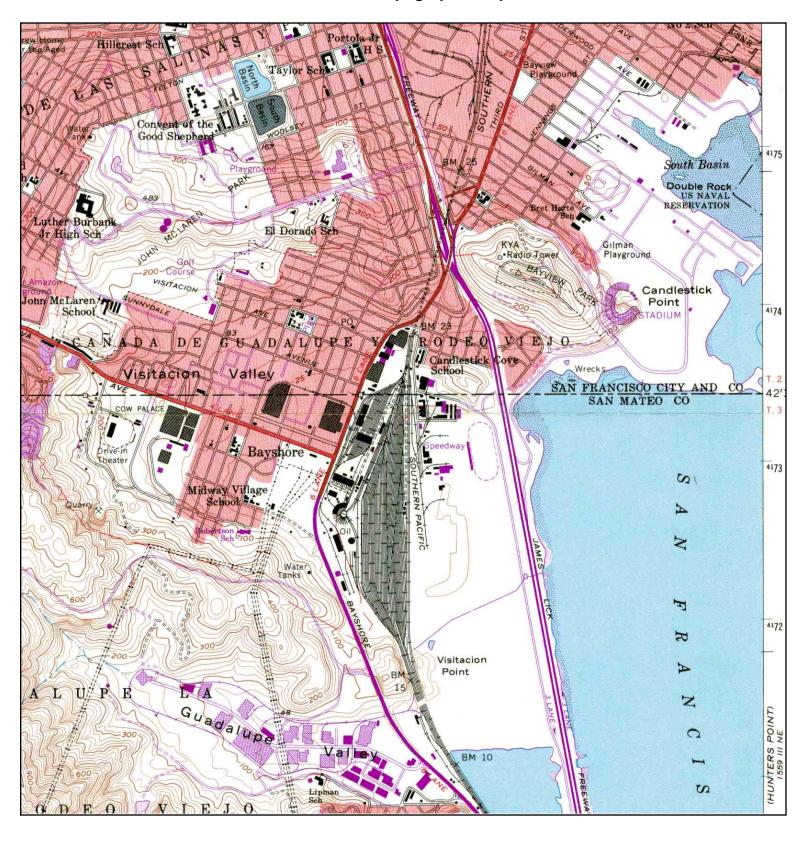
SERIES: 7.5 SCALE: 1:24000 SITE NAME: Route 101/Geneva Avenue

ADDRESS: Route 101/Geneva Avenue San Francisco, CA 94005

LAT/LONG: 37.7076 / 122.394

CLIENT: Parikh Consultants

CONTACT: M. Bazari INQUIRY#: 2521982.4



N A TARGET QUAD

NAME: SAN FRANCISCO

SOUTH

MAP YEAR: 1968

PHOTOREVISED FROM:1956

SERIES: 7.5 SCALE: 1:24000 SITE NAME: Route 101/Geneva Avenue

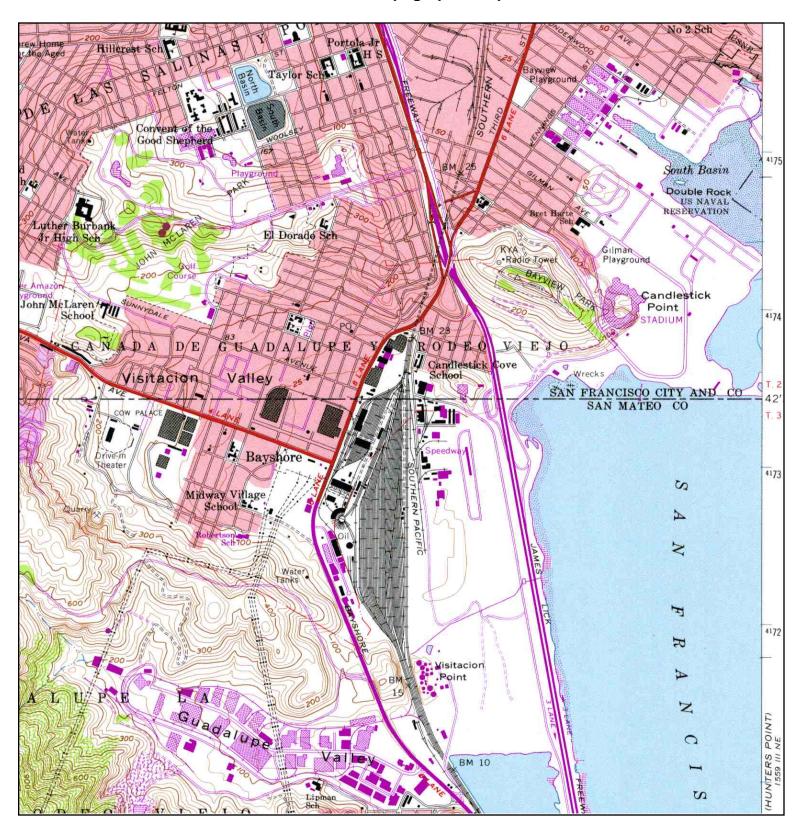
ADDRESS: Route 101/Geneva Avenue San Francisco, CA 94005

LAT/LONG: 37.7076 / 122.394

CLIENT: Parikh Consultants

RESEARCH DATE: 06/18/2009

CONTACT: M. Bazari INQUIRY#: 2521982.4



Ν

TARGET QUAD

SAN FRANCISCO NAME:

SOUTH

MAP YEAR: 1973

PHOTOREVISED FROM:1956

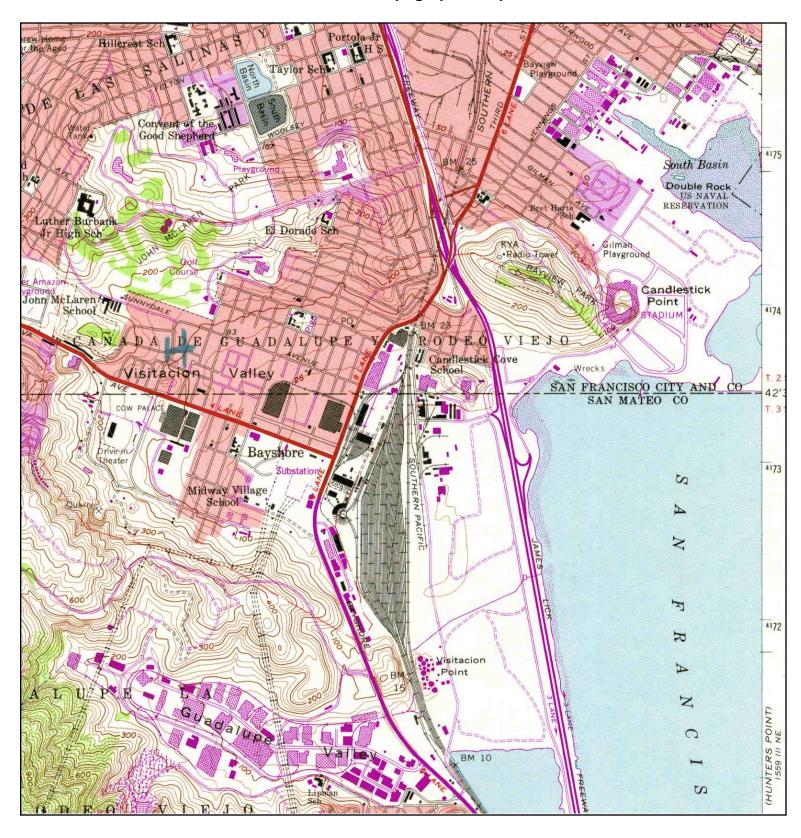
SERIES: 7.5 SCALE: 1:24000 SITE NAME: Route 101/Geneva Avenue

ADDRESS: Route 101/Geneva Avenue

San Francisco, CA 94005

LAT/LONG: 37.7076 / 122.394 CLIENT: Parikh Consultants

CONTACT: M. Bazari INQUIRY#: 2521982.4



N A TARGET QUAD

NAME: SAN FRANCISCO

SOUTH

MAP YEAR: 1980

PHOTOREVISED FROM:1956

SERIES: 7.5 SCALE: 1:24000 SITE NAME: Route 101/Geneva Avenue

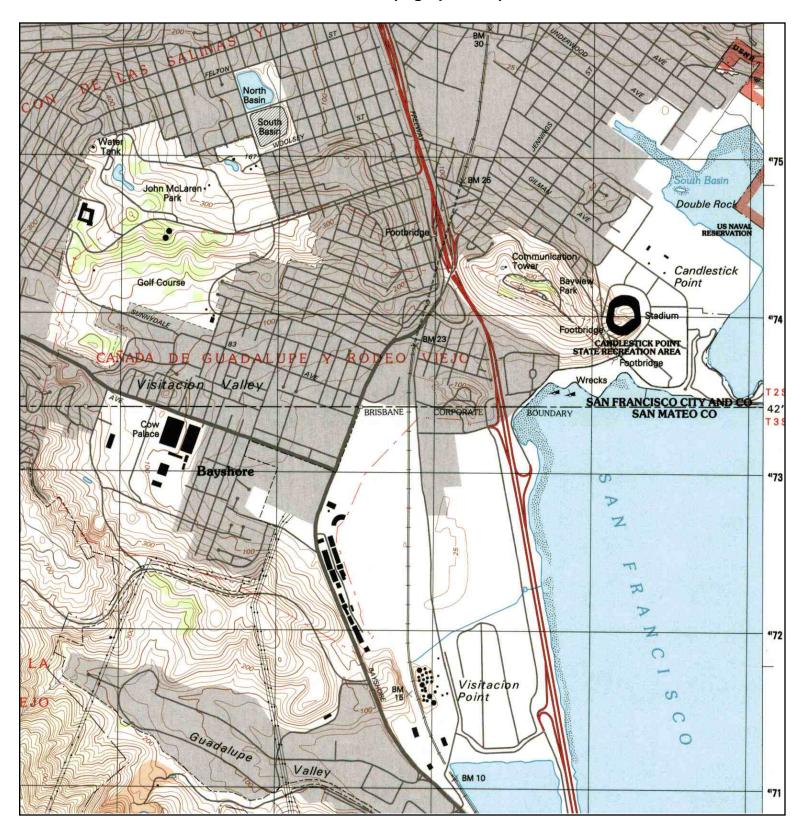
ADDRESS: Route 101/Geneva Avenue San Francisco, CA 94005

LAT/LONG: 37.7076 / 122.394

CLIENT: Parikh Consultants

RESEARCH DATE: 06/18/2009

CONTACT: M. Bazari INQUIRY#: 2521982.4





TARGET QUAD

NAME: SAN FRANCISCO

SOUTH

MAP YEAR: 1993

SERIES: 7.5 SCALE: 1:24000 SITE NAME: Route 101/Geneva Avenue

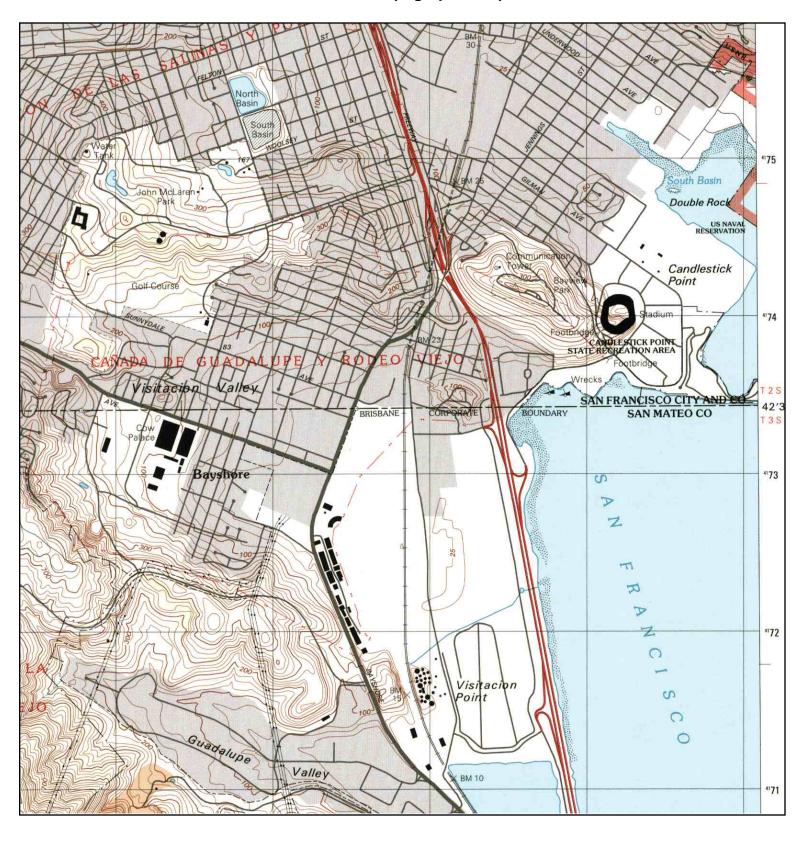
ADDRESS: Route 101/Geneva Avenue

San Francisco, CA 94005

LAT/LONG: 37.7076 / 122.394

CLIENT: Parikh Consultants

CONTACT: M. Bazari INQUIRY#: 2521982.4 RESEARCH DATE: 06/18/2009



N A TARGET QUAD

NAME: SAN FRANCISCO

SOUTH

MAP YEAR: 1995

SERIES: 7.5 SCALE: 1:24000 SITE NAME: Route 101/Geneva Avenue

ADDRESS: Route 101/Geneva Avenue

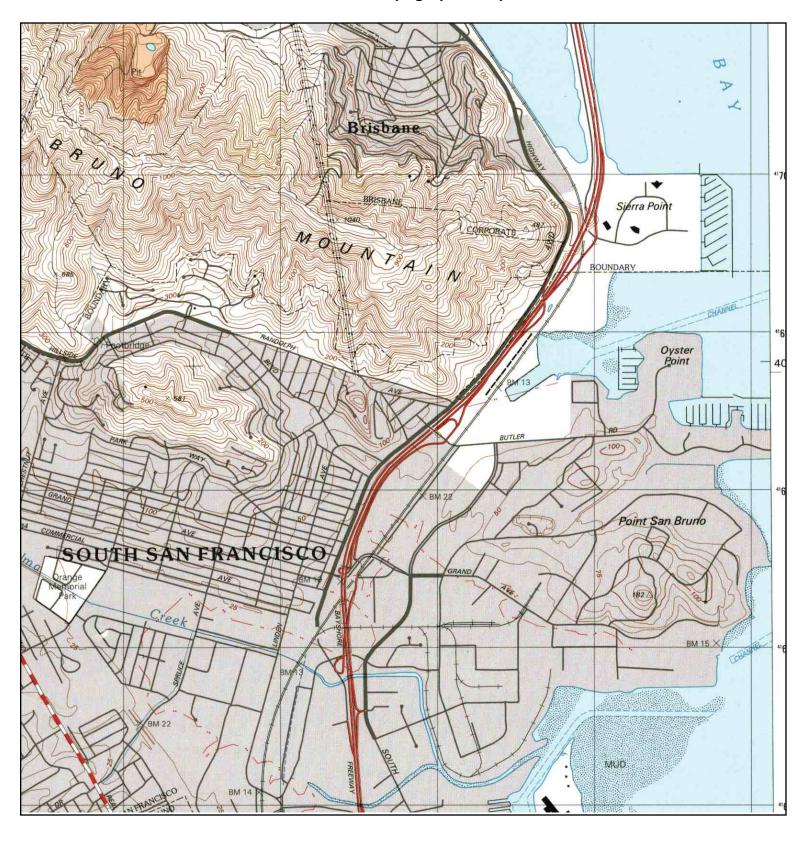
San Francisco, CA 94005

LAT/LONG: 37.7076 / 122.394

CLIENT: Parikh Consultants

CONTACT: M. Bazari INQUIRY#: 2521982.4

RESEARCH DATE: 06/18/2009





TARGET QUAD

NAME: SAN FRANCISCO

SOUTH

MAP YEAR: 1995

SERIES: 7.5 SCALE: 1:24000 SITE NAME: Oyster Point Blvd Interchange

ADDRESS: Oyster Point Blvd.

South San Francisco, CA

LAT/LONG: 37.6634 / -122.3987

CLIENT: Parikh Consultants CONTACT: Gary Parikh INQUIRY#: 2999747.4

RESEARCH DATE: 02/24/2011

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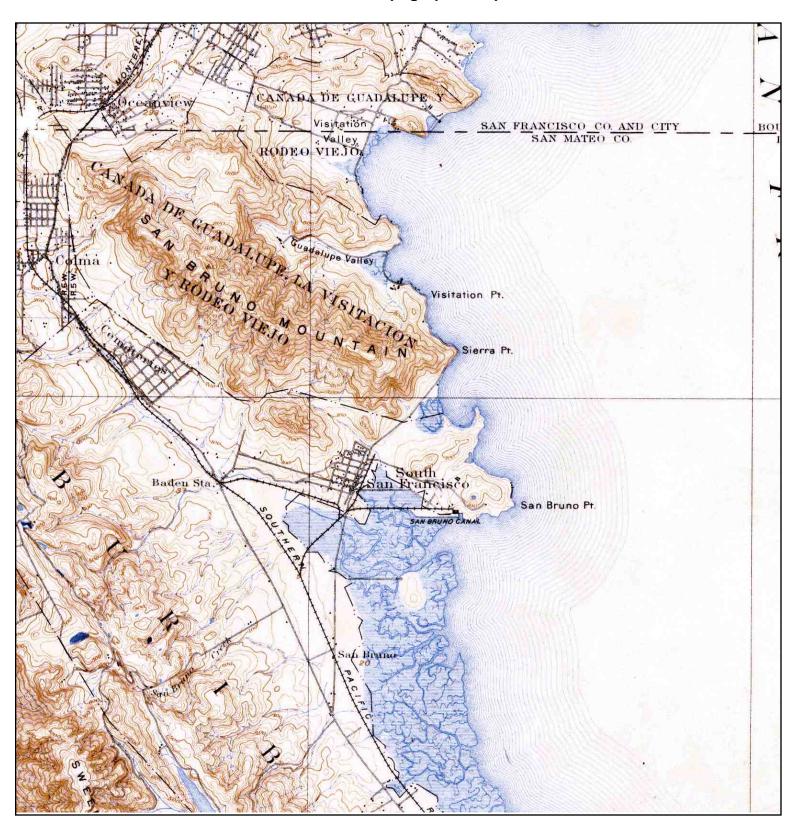
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**TARGET QUAD** 

NAME: SAN MATEO

MAP YEAR: 1899

SERIES: 15 SCALE: 1:62500 SITE NAME: Oyster Point Blvd Interchange

ADDRESS: Oyster Point Blvd.

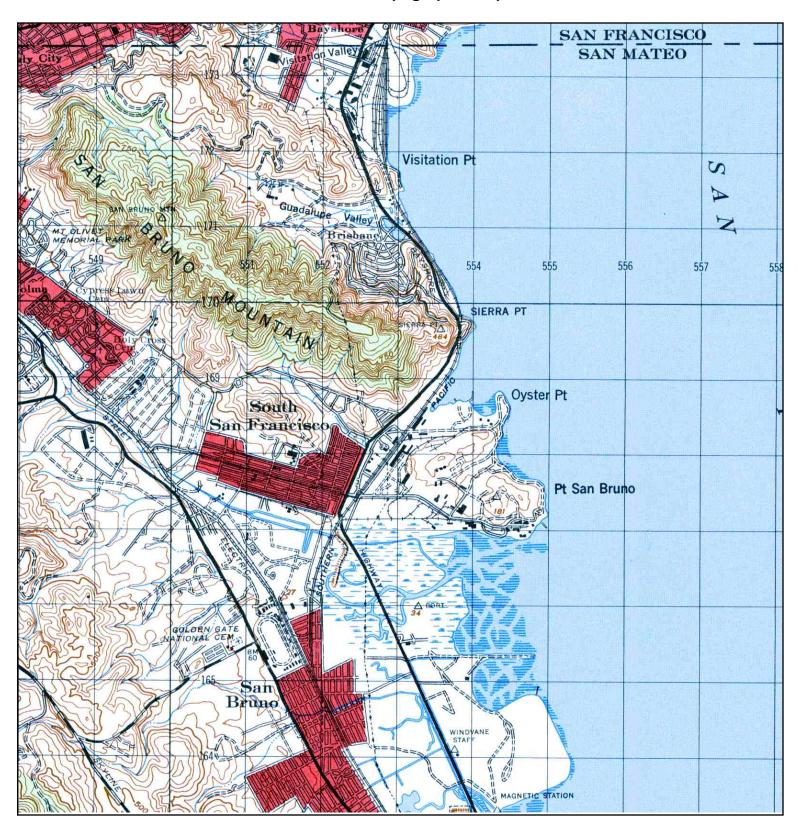
South San Francisco, CA

LAT/LONG: 37.6634 / -122.3987

CLIENT: Parikh Consultants

CONTACT: Gary Parikh INQUIRY#: 2999747.4

RESEARCH DATE: 02/24/2011





TARGET QUAD

NAME: SAN MATEO

MAP YEAR: 1947

SERIES: 15 SCALE: 1:50000 SITE NAME: Oyster Point Blvd Interchange

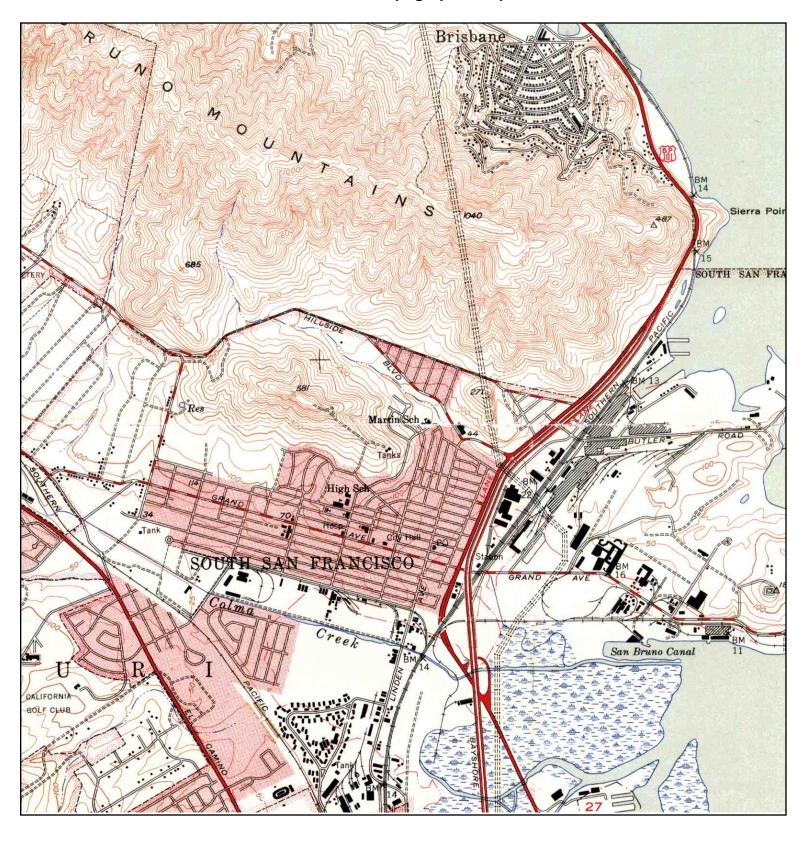
ADDRESS: Oyster Point Blvd.

South San Francisco, CA

LAT/LONG: 37.6634 / -122.3987

CLIENT: Parikh Consultants
CONTACT: Gary Parikh

INQUIRY#: 2999747.4 RESEARCH DATE: 02/24/2011





TARGET QUAD

NAME: SAN FRANCISCO

SOUTH

MAP YEAR: 1950

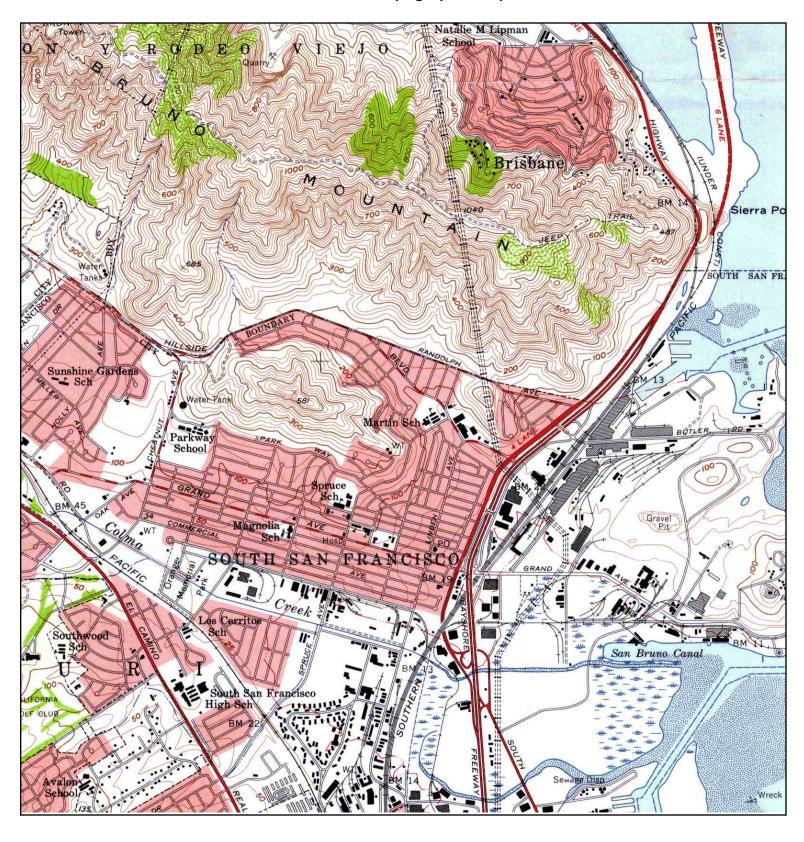
SERIES: 7.5 SCALE: 1:24000 SITE NAME: Oyster Point Blvd Interchange

ADDRESS: Oyster Point Blvd.

South San Francisco, CA

LAT/LONG: 37.6634 / -122.3987

CLIENT: Parikh Consultants
CONTACT: Gary Parikh
INQUIRY#: 2999747.4
RESEARCH DATE: 02/24/2011



TARGET QUAD

NAME: SAN FRANCISCO

SOUTH

MAP YEAR: 1956

SERIES: 7.5 SCALE: 1:24000 SITE NAME: Oyster Point Blvd Interchange

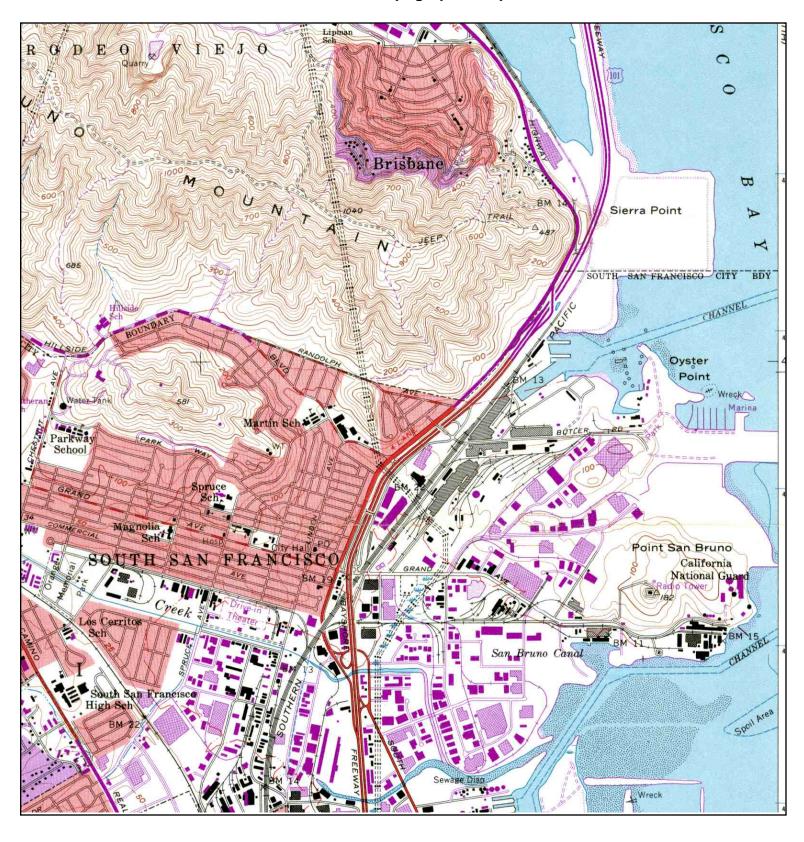
ADDRESS: Oyster Point Blvd.

South San Francisco, CA

LAT/LONG: 37.6634 / -122.3987

CLIENT: Parikh Consultants
CONTACT: Gary Parikh

INQUIRY#: 2999747.4 RESEARCH DATE: 02/24/2011





TARGET QUAD

SCALE:

NAME: SAN FRANCISCO

SOUTH

1:24000

MAP YEAR: 1968 PHOTOREVISED:1956 SERIES: 7.5 SITE NAME: Oyster Point Blvd Interchange

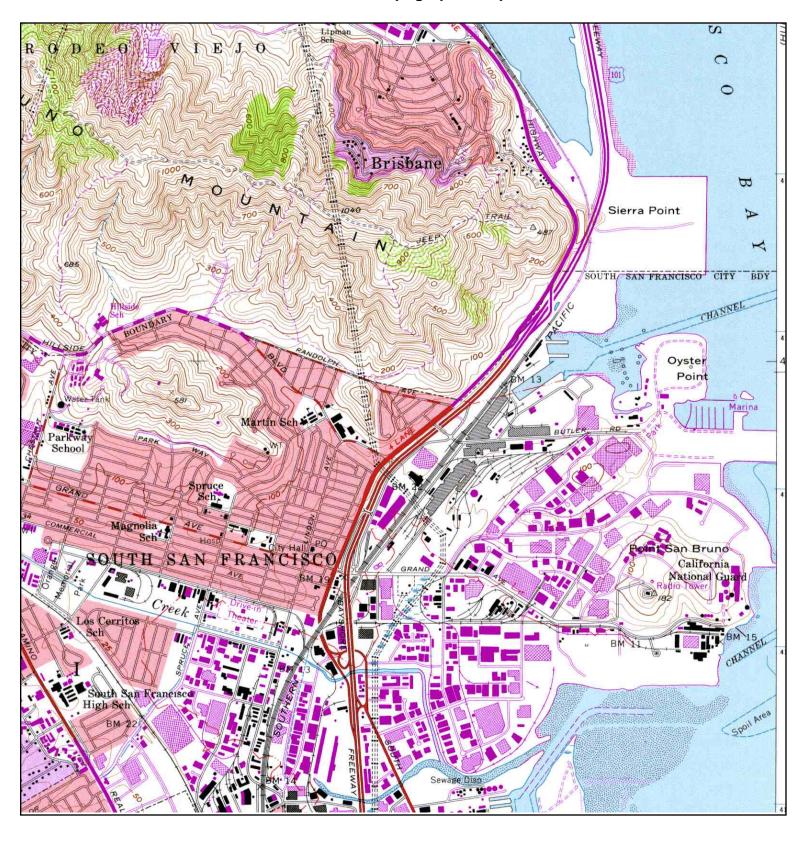
ADDRESS: Oyster Point Blvd.

South San Francisco, CA

LAT/LONG: 37.6634 / -122.3987

CLIENT: Parikh Consultants CONTACT: Gary Parikh INQUIRY#: 2999747.4

RESEARCH DATE: 02/24/2011





TARGET QUAD

NAME: SAN FRANCISCO

SOUTH

MAP YEAR: 1973 PHOTOREVISED:1956 SERIES: 7.5 SCALE: 1:24000 SITE NAME: Oyster Point Blvd Interchange

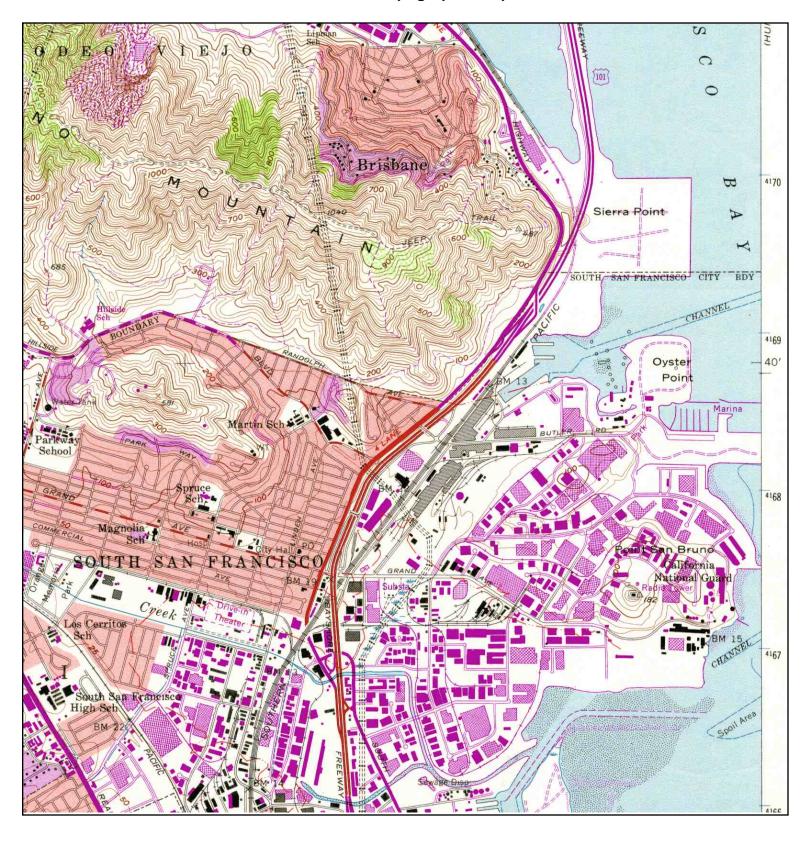
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South San Francisco, CA

LAT/LONG: 37.6634 / -122.3987

CLIENT: Parikh Consultants

CONTACT: Gary Parikh
INQUIRY#: 2999747.4
RESEARCH DATE: 02/24/2011





**TARGET QUAD** 

SCALE:

NAME: SAN FRANCISCO

SOUTH

1:24000

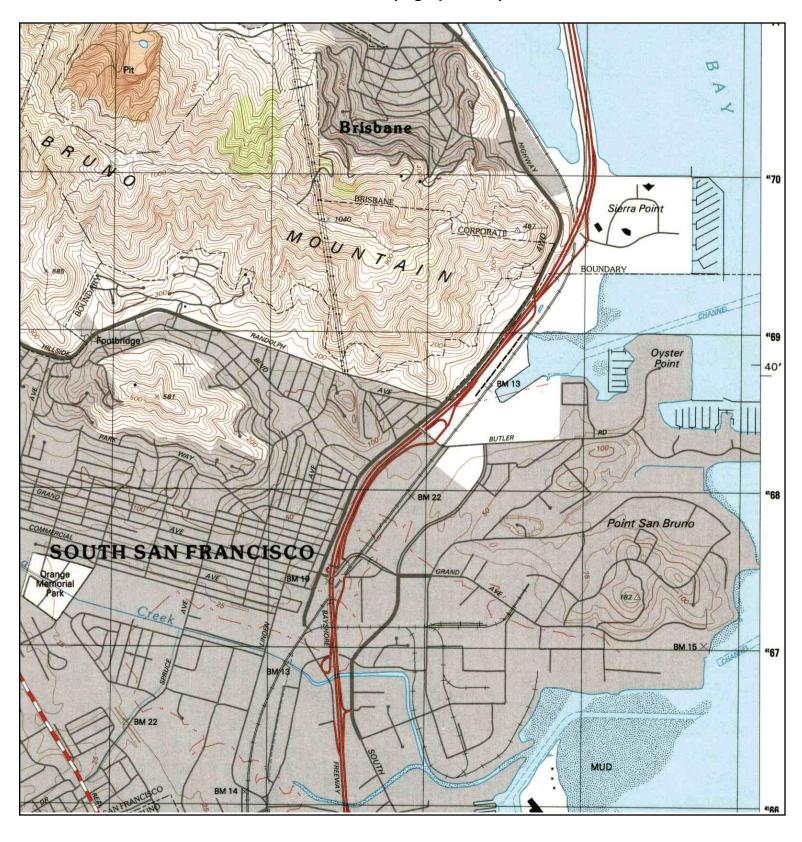
MAP YEAR: 1980 PHOTOREVISED:1956 SERIES: 7.5 SITE NAME: Oyster Point Blvd Interchange

ADDRESS: Oyster Point Blvd.

South San Francisco, CA

LAT/LONG: 37.6634 / -122.3987

CLIENT: Parikh Consultants
CONTACT: Gary Parikh
INQUIRY#: 2999747.4
RESEARCH DATE: 02/24/2011





TARGET QUAD

NAME: SAN FRANCISCO

SOUTH

MAP YEAR: 1993

SERIES: 7.5 SCALE: 1:24000 SITE NAME: Oyster Point Blvd Interchange

ADDRESS: Oyster Point Blvd.

South San Francisco, CA

LAT/LONG: 37.6634 / -122.3987

CLIENT: Parikh Consultants
CONTACT: Gary Parikh

INQUIRY#: 2999747.4 RESEARCH DATE: 02/24/2011

# APPENDIX C

## **Oyster Point Blvd Interchange**

Oyster Point Blvd. South San Francisco, CA 94080

Inquiry Number: 2999747.3

February 24, 2011

## Certified Sanborn® Map Report



## **Certified Sanborn® Map Report**

2/24/11

Site Name:

**Client Name:** 

Oyster Point Blvd Interchange Oyster Point Blvd.

South San Francisco, CA

Parikh Consultants 2360 Qume Drive San Jose, CA 95131

EDR Inquiry # 2999747.3 Contact: Gary Parikh



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### Certified Sanborn Results:

Site Name: Oyster Point Blvd Interchange

Address: Oyster Point Blvd.

City, State, Zip: South San Francisco, CA 94080

**Cross Street:** 

P.O. # NA Project: NA

Certification # 3D72-4206-ADF9

### **Maps Provided:**

1970

1956

1950

1925



Sanborn® Library search results Certification # 3D72-4206-ADF9

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

✓ Library of Congress

✓ University Publications of America

▼ EDR Private Collection

The Sanborn Library LLC Since  $1866^{TM}$ 

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### Sanborn Sheet Thumbnails

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.



### 1970 Source Sheets





Volume 1, Sheet 21

Volume 1, Sheet 22

### 1956 Source Sheets





Volume 1, Sheet 21

Volume 1, Sheet 22

### 1950 Source Sheets







Volume 1, Sheet 20

Volume 1, Sheet 21

Volume 1, Sheet 22

### 1925 Source Sheets



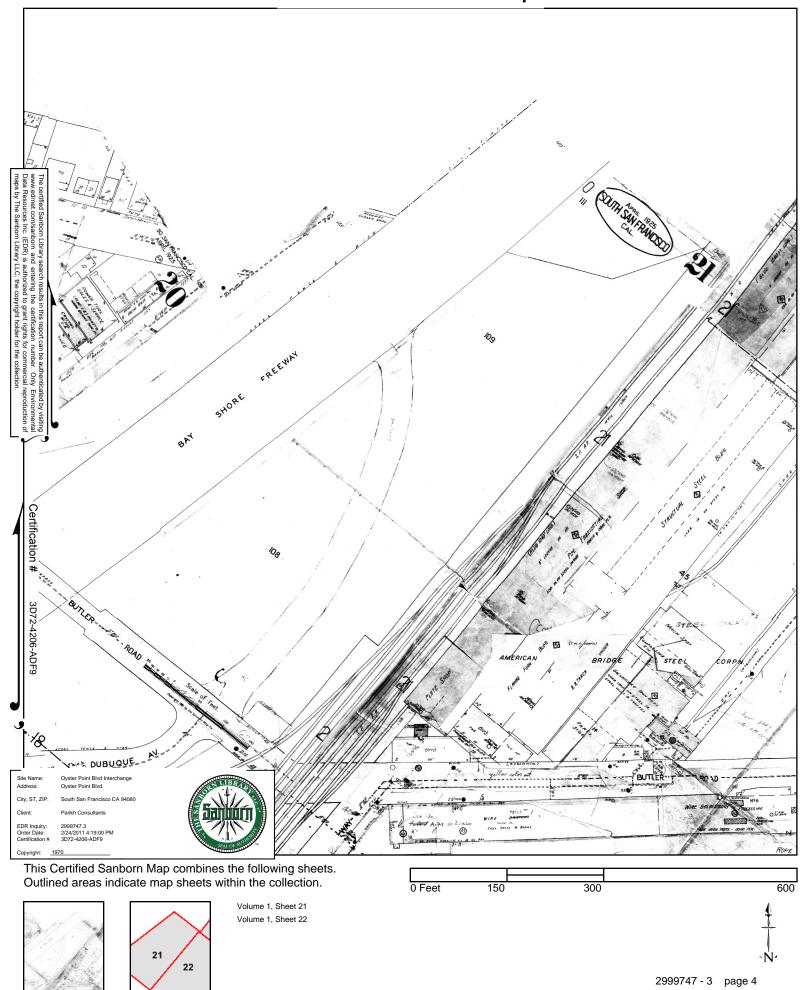


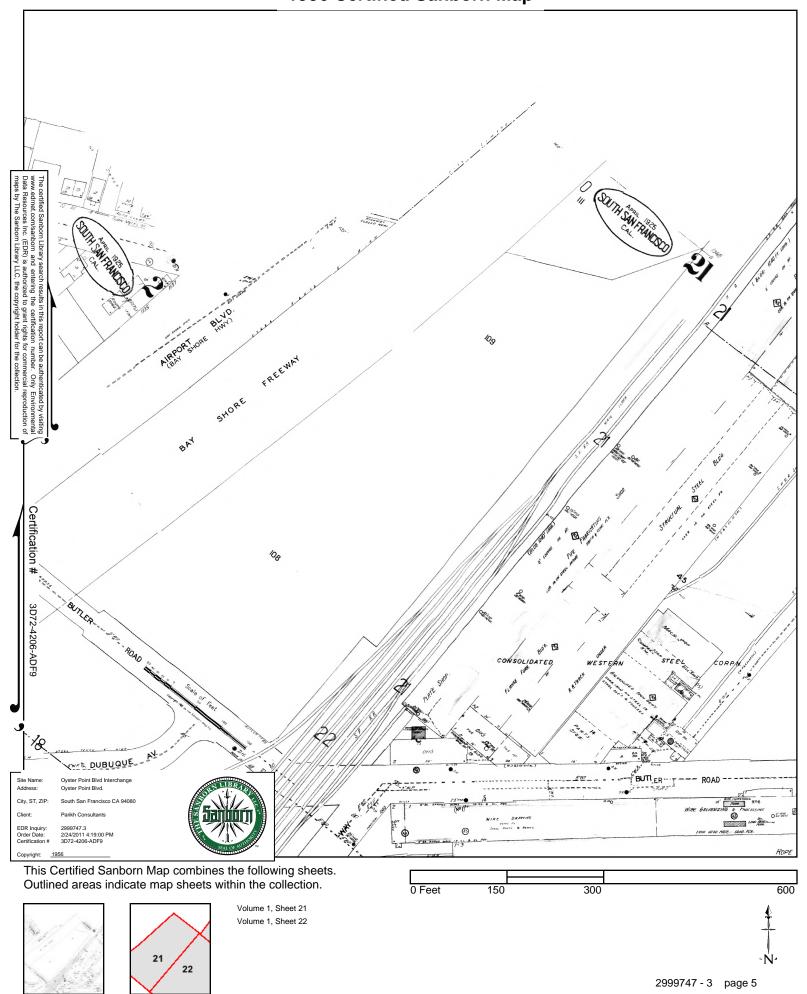


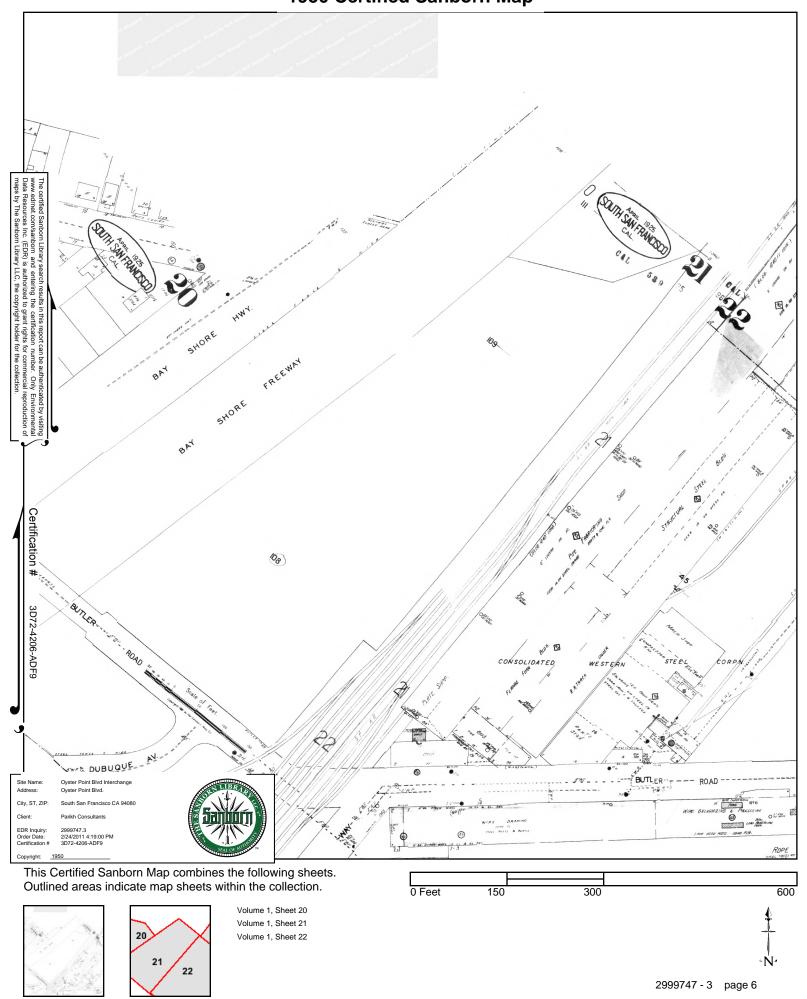
Volume 1, Sheet 20

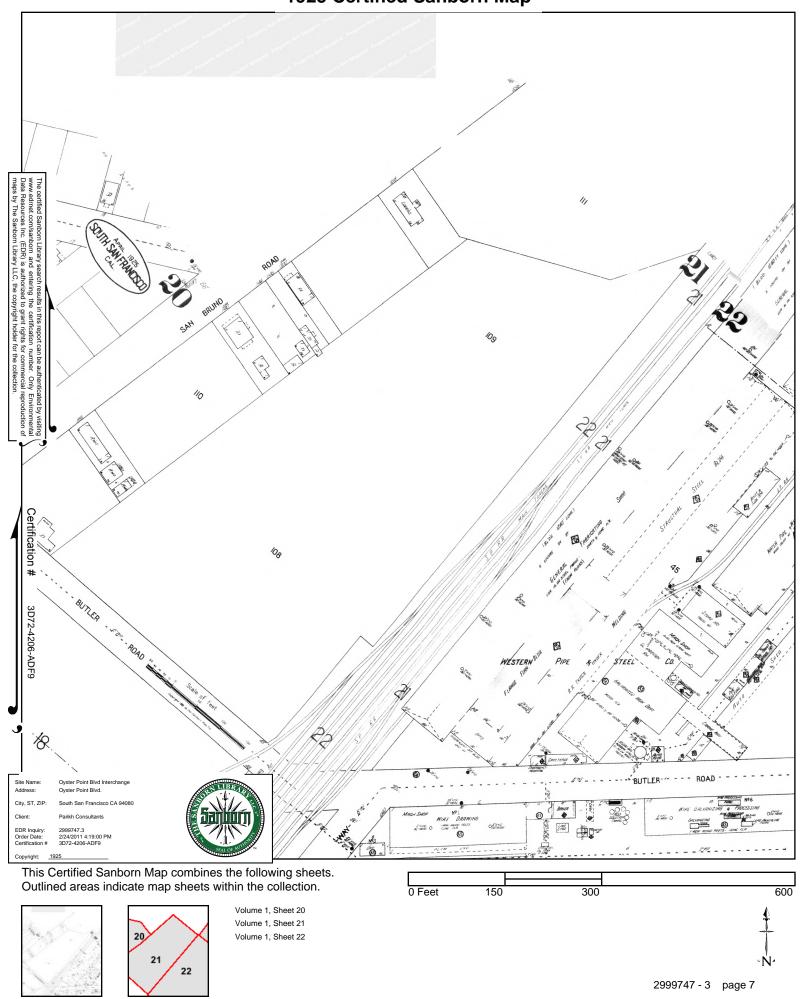
Volume 1, Sheet 21

Volume 1, Sheet 22









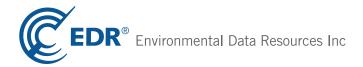
# APPENDIX D

**Highway 101 Modifictions** Brisbane, CA 94005

Inquiry Number: 4090296.5s

September 29, 2014

## **EDR DataMap™ Corridor Study**



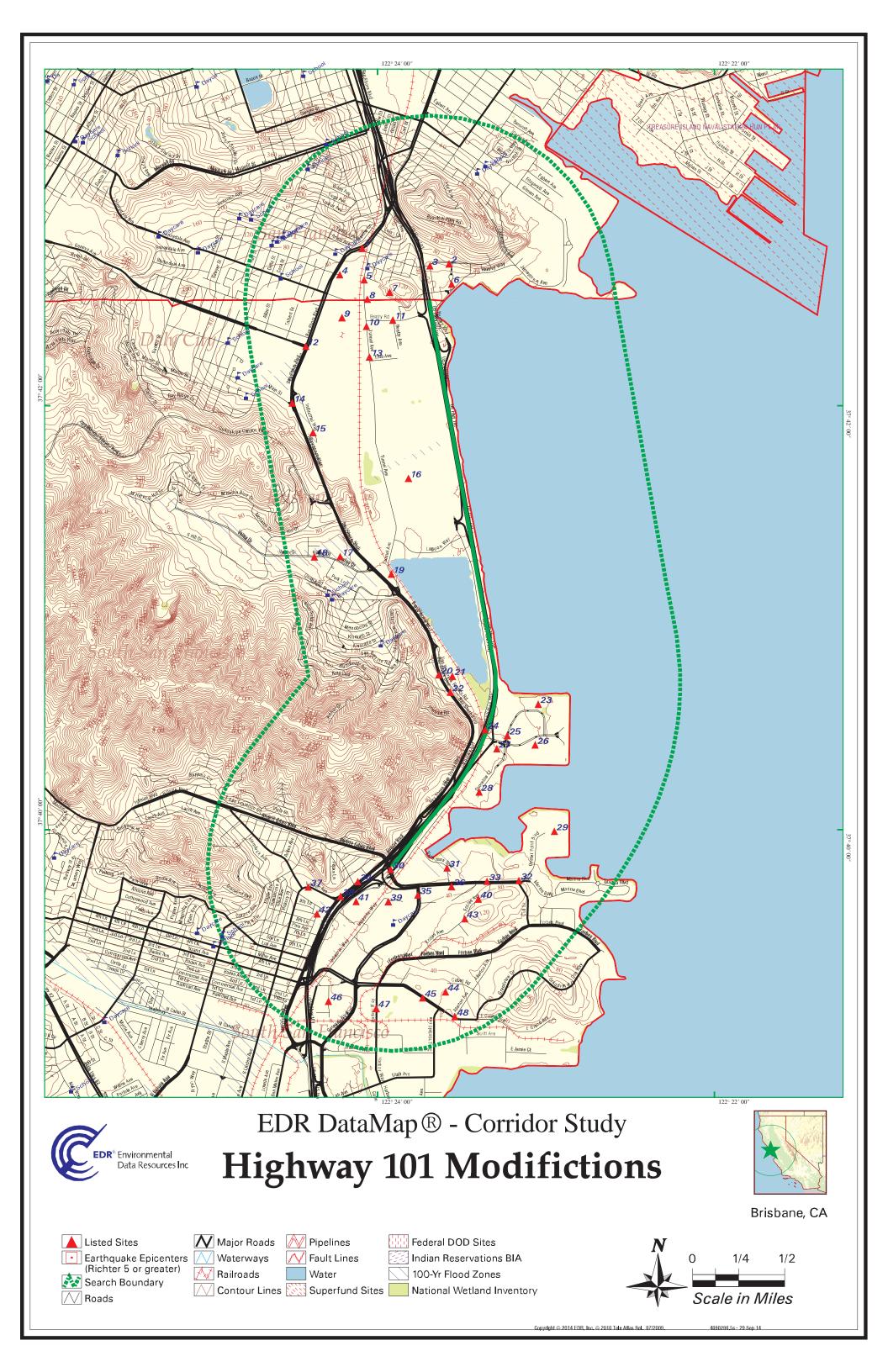
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### TARGET PROPERTY INFORMATION

### **ADDRESS**

BRISBANE, CA 94005 BRISBANE, CA 94005

#### **DATABASES WITH NO MAPPED SITES**

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records within the requested search area for the following databases:

### **FEDERAL RECORDS**

NΡ	L									National Priority List	

NPL LIENS..... Federal Superfund Liens

LIENS 2..... CERCLA Lien Information

RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

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

ERNS..... Emergency Response Notification System

HMIRS..... Hazardous Materials Information Reporting System

ROD...... Records Of Decision UMTRA...... Uranium Mill Tailings Sites

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

ODI....... Open Dump Inventory US MINES...... Mines Master Index File

TRIS...... Toxic Chemical Release Inventory System

ICIS...... Integrated Compliance Information System

RAATS...... RCRA Administrative Action Tracking System

RMP..... Risk Management Plans

FEDERAL FACILITY..... Federal Facility Site Information listing PCB TRANSFORMER...... PCB Transformer Registration Database

COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List

FEMA UST...... Underground Storage Tank Listing US HIST CDL..... National Clandestine Laboratory Register COAL ASH DOE \_\_\_\_\_ Steam-Electric Plant Operation Data

SCRD DRYCLEANERS...... State Coalition for Remediation of Drycleaners Listing

US FIN ASSUR..... Financial Assurance Information

US AIRS..... Aerometric Information Retrieval System Facility Subsystem

PRP...... Potentially Responsible Parties

EPA WATCH LIST..... EPA WATCH LIST LEAD SMELTERS....Lead Smelter Sites

### STATE AND LOCAL RECORDS

CA SCH\_\_\_\_\_School Property Evaluation Program

CA Toxic Pits..... Toxic Pits Cleanup Act Sites

CA UIC...... UIC Listing

CA LIENS..... Environmental Liens Listing CA CUPA Listings..... CUPA Resources List CA MCS Military Cleanup Sites Listing CA DRYCLEANERS Cleaner Facilities

CA WIP..... Well Investigation Program Case List

CA CDL..... Clandestine Drug Labs

CA HAULERS..... Registered Waste Tire Haulers Listing

CA PROC..... Certified Processors Database

CA MWMP..... Medical Waste Management Program Listing

### TRIBAL RECORDS

INDIAN RESERV..... Indian Reservations

INDIAN ODI...... Report on the Status of Open Dumps on Indian Lands INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

INDIAN UST...... Underground Storage Tanks on Indian Land

INDIAN VCP...... Voluntary Cleanup Priority Listing

### **EDR PROPRIETARY RECORDS**

EDR MGP..... EDR Proprietary Manufactured Gas Plants EDR US Hist Cleaners...... EDR Exclusive Historic Dry Cleaners

CA RGA LF...... Recovered Government Archive Solid Waste Facilities List

CA RGA LUST...... Recovered Government Archive Leaking Underground Storage Tank

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

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.

### **FEDERAL RECORDS**

CERC-NFRAP: Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed

and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

A review of the CERC-NFRAP list, as provided by EDR, and dated 10/25/2013 has revealed that there are 2 CERC-NFRAP sites within the searched area.

Site	Address	Map ID	Page
EDWARDS CO	INDUSTRIAL WAY & OYSTER	30	343
HOMART DEV CO (BETHLEHEM STEEL	430 INDUSTRIAL WAY	39	439

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 06/10/2014 has revealed that there is 1 CORRACTS site within the searched area.

Site	Address	Map ID	Page
QUICKSILVER PRODUCTS INC	200 VALLEY DR STE 1	17	219

RCRA-TSDF: 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.

A review of the RCRA-TSDF list, as provided by EDR, and dated 06/10/2014 has revealed that there is 1 RCRA-TSDF site within the searched area.

Site	Address	Map ID	Page
QUICKSILVER PRODUCTS INC	200 VALLEY DR STE 1	17	219

RCRA-LQG: 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.

A review of the RCRA-LQG list, as provided by EDR, and dated 06/10/2014 has revealed that there are 4 RCRA-LQG sites within the searched area.

Site	Address	Map ID	Page
VWR INTERNATIONAL, LLC	3745 BAYSHORE BLVD.	21	302
ACHAOGEN, INC.	7000 SHORELINE COURT 3R	28	332

Site	Address	Map ID	Page
RIGEL PHARMACEUTICAL INC	1180 VETERANS BLVD	31	347
THERAVANCE, INC	901 GATEWAY BLVD	35	371

RCRA-SQG: 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.

A review of the RCRA-SQG list, as provided by EDR, and dated 06/10/2014 has revealed that there are 15 RCRA-SQG sites within the searched area.

Site	Address	Map ID	Page
FORMER SCHLAGE LOCK FACILITY	2401 BAYSHORE BLVD	4	76
CECO CORPORATION	401 TUNNEL AVE	5	86
SF HOUSEHOLD HAZ WASTE COLL FA	501 TUNNEL AVE	7	125
SWETS	501 TUNNEL AVE	7	126
QUICKSILVER PRODUCTS INC	200 VALLEY DR STE 1	17	219
OXFORD CHEMICALS INC.	275 VALLEY DR.	18	254
GENE SOFT INC	7300 SHORELINE CT	28	330
FLUIDIGM CORPORATION	7000 SHORELINE CT	28	339
VERACYTE INC	7000 SHORELINE CT	28	341
OYSTER POINT INTER AREA 2	OYSTER POINT BLVD US 10	30	344
SHELL OIL CO	899 AIRPORT BLVD	38	411
HOMART DEV CO (BETHLEHEM STEEL	430 INDUSTRIAL WAY	39	439
OYSTER POINT INTER AREA 1	OYSTER POINT BLVD	39	441
AVIS RENT A CAR SYSTEM INC	513 ECCLES AVE	43	456
VIROLOGIC INC	270 E GRAND AVE STE A	45	462

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 06/10/2014 has revealed that there are 2 RCRA NonGen / NLR sites within the searched area.

Site	Address	Map ID	Page
GREEN EARTH TRANSPORTATION INC	5 THOMAS MELLON CIRCLE	6	92
FIVE PRIME THERAPEUTICS INC	951 GATEWAY BLVD	35	386

FTTS: 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) over the previous five years. To maintain currency, EDR contacts the Agency on a quarterly basis.

A review of the FTTS list, as provided by EDR, and dated 04/09/2009 has revealed that there is 1 FTTS site within the searched area.

Site	Address	Map ID	Page
FORMER SCHLAGE LOCK FACILITY	2401 BAYSHORE BLVD	4	76

HIST FTTS: 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.

A review of the HIST FTTS list, as provided by EDR, and dated 10/19/2006 has revealed that there is 1 HIST FTTS site within the searched area.

Site	Address	Map ID	Page
FORMER SCHLAGE LOCK FACILITY	2401 BAYSHORE BLVD	4	<b>76</b>

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 11/18/2013 has revealed that there are 11 FINDS sites within the searched area.

Site	Address	Map ID	Page
FORMER SCHLAGE LOCK FACILITY	2401 BAYSHORE BLVD	4	76
QUICKSILVER PRODUCTS INC	200 VALLEY DR STE 1	17	219
OXFORD CHEMICALS INC.	275 VALLEY DR.	18	254
VWR INTERNATIONAL, LLC	3745 BAYSHORE BLVD.	21	302
BRISBANE, CITY OF, SCS	SIERRA POINT PARKWAY AT	24	319
GENE SOFT INC	7300 SHORELINE CT	28	330
WILDBERG BROTHERS (BOLIDEN MET	349 OYSTER POINT BLVD	32	354
THERAVANCE, INC	901 GATEWAY BLVD	35	371
FIVE PRIME THERAPEUTICS INC	951 GATEWAY BLVD	35	386
AVIS RENT A CAR SYSTEM INC	513 ECCLES AVE	43	456
VIROLOGIC INC	270 E GRAND AVE STE A	45	462

2020 COR ACTION: 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.

A review of the 2020 COR ACTION list, as provided by EDR, and dated 11/11/2011 has revealed that there is 1 2020 COR ACTION site within the searched area.

Site	Address	Map ID	Page
QUICKSILVER PRODUCTS INC	200 VALLEY DR STE 1	17	219

### STATE AND LOCAL RECORDS

CA HIST Cal-Sites: Formerly known as ASPIS, this database contains both known and potential hazardous substance sites. The source is the California Department of Toxic Substance Control. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

A review of the CA HIST Cal-Sites list, as provided by EDR, and dated 08/08/2005 has revealed that there are 4 CA HIST Cal-Sites sites within the searched area.

Address	Map ID	Page
BAYSHORE BLVD AND SUNNY	4	7
GENEVA AVENUE AND BAYSH	12	162
200 VALLEY DR	17	241
270 E GRAND AVE STE A	45	462
	BAYSHORE BLVD AND SUNNY GENEVA AVENUE AND BAYSH 200 VALLEY DR	BAYSHORE BLVD AND SUNNY       4         GENEVA AVENUE AND BAYSH       12         200 VALLEY DR       17

CA BOND EXP. 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.

A review of the CA BOND EXP. PLAN list, as provided by EDR, and dated 01/01/1989 has revealed that there are 2 CA BOND EXP. PLAN sites within the searched area.

Site	Address	Map ID	Page
SOUTHERN PACIFIC TRANSPORTATIO	GENEVA AVENUE AND BAYSH	12	162
HOMART DEVELOPMENT CORP/EDWARD	0 480 INDUSTRIAL WAY	39	447

CA SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Integrated Waste Management Board's Solid Waste Information System (SWIS) database.

A review of the CA SWF/LF list, as provided by EDR, and dated 05/19/2014 has revealed that there are 3 CA SWF/LF sites within the searched area.

Site	Address	Map ID	Page
SANITARY FILL COMPANY	501 TUNNEL AVENUE	7	100
BRISBANE LANDFILL	245 TUNNEL RD.BETWEEN B	16	218

Site	Address	Map ID	Page
SIERRA POINT DISPOSAL SITE	BAYSHORE FWY ON SSF/BRI	26	328

CA WDS: California Water Resources Control Board - Waste Discharge System.

A review of the CA WDS list, as provided by EDR, and dated 06/19/2007 has revealed that there are 4 CA WDS sites within the searched area.

Site	Address	Map ID	Page
BRISBANE RECYCLING CO INC	5 BEATTY RD	11	157
SIERRA POINT LANDFILL	1000 MARINA BLVD.	25	322
FED EX	900 GATEWAY BLVD	35	367
OYSTER POINT INTER AREA 1	OYSTER POINT BLVD	39	441

CA NPDES: A listing of NPDES permits, including stormwater.

A review of the CA NPDES list, as provided by EDR, and dated 05/19/2014 has revealed that there are 2 CA NPDES sites within the searched area.

Site	Address	Map ID	Page
BRISBANE RECYCLING CO INC	5 BEATTY RD	11	157
FED EX	900 GATEWAY BLVD	35	367

CA 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 CA Cortese list, as provided by EDR, and dated 06/30/2014 has revealed that there are 4 CA Cortese sites within the searched area.

Address	Map ID	Page
BAYSHORE BLVD AND SUNNY	4	7
GENEVA AVENUE AND BAYSH	12	162
950 TUNNEL ROAD	19	295
166 HARBOR WAY	47	473
	BAYSHORE BLVD AND SUNNY GENEVA AVENUE AND BAYSH 950 TUNNEL ROAD	BAYSHORE BLVD AND SUNNY 4 GENEVA AVENUE AND BAYSH 12 950 TUNNEL ROAD 19

CA 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 CA HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 25 CA HIST CORTESE sites within the searched area.

Site	Address	Map ID	Page
SCHLAGE LOCK COMPANY	BAYSHORE BLVD AND SUNNY	4	7
FORMER SCHLAGE LOCK FACILITY	2401 BAYSHORE BLVD	4	76

Site	Address	Map ID	Page
CECO CORPORATION	401 TUNNEL AVE	5	86
SANITARY FILL	501 TUNNEL AVE	7	99
NORCAL-SAN FRANCISCO RECYCLING	501 TUNNEL	7	100
WESTERN ART STONE COMPANY INC	541 TUNNEL AVE	10	143
NORCAL CHET C SMITH TRUCK	515 TUNNEL	10	147
VAN ARSDALE HARRIS LUMBER COMP	595 TUNNEL AVE	13	211
KESSLER AND KESSLER	250 INDUSTRIAL WY	15	216
OXFORD CHEMICALS INC.	275 VALLEY DR.	18	254
SCR-SFPP, LP;BRISBANE TER	950 TUNNEL	19	299
CENTER LINE AUTOMOTIVE	3840 BAYSHORE	20	299
BRISBANE CORP YARD	3795 BAYSHORE	22	317
SAN CARLOS AUTO WRECKERS	959 BAYSHORE	30	347
WILDBERG BROTHERS (BOLIDEN MET	349 OYSTER POINT BLVD	32	354
FED EX	900 GATEWAY BLVD	35	367
MAIN SPRING CORP	105 OYSTER PT	35	390
SHELL OIL CO	899 AIRPORT BLVD	38	411
UNOCAL SERVICE STATION #4524	901 AIRPORT	38	420
OYSTER POINT INTER AREA 1	OYSTER POINT BLVD	39	441
BERKELEY FARMS	561 ECCLES	40	450
BRESSIE & COMPANY	600 79 DUBUQUE	41	453
HOUSING CONSTRUCTION	821 CYPRESS	42	454
AVIS RENT A CAR SYSTEM INC	513 ECCLES AVE	43	456
CALTRANS/SSF MAINTENANCE STATI	166 HARBOR WAY	47	473

CA SWRCY: A listing of recycling facilities in California.

A review of the CA SWRCY list, as provided by EDR, and dated 06/16/2014 has revealed that there is 1 CA SWRCY site within the searched area.

Site	Address	Map ID	Page
SANITARY FILL CO/SWETS SHOP	501 TUNNEL AVE	7	121

CA LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the State Water Resources Control Board Leaking Underground Storage Tank Information System.

A review of the CA LUST list, as provided by EDR, and dated 07/30/2014 has revealed that there are 35 CA LUST sites within the searched area.

Site	Address	Map ID	Page
CECO CORPORATION Status: Completed - Case Closed	401 TUNNEL AVE	5	86
NORCAL-SAN FRANCISCO RECYCLING RECOLOGY SAN FRANCISCO Status: Completed - Case Closed	501 TUNNEL 501 TUNNEL	7 7	100 109
SANITARY FILL SANITARY FILL CO/SWETS SHOP Status: Completed - Case Closed	501 TUNNEL AVE 501 TUNNEL AVE	7 7	113 121
SWETS Status: Completed - Case Closed	501 TUNNEL AVE	7	126

Site	Address	Map ID	Page
P & F DISTRIBUTORS Status: Completed - Case Closed	511 TUNNEL	8	139
WESTERN ART STONE Status: Completed - Case Closed	541 TUNNEL AVE	10	142
NORCAL-CHET C. SMITH TRUCKING NORCAL-CHET C. SMITH TRUCKING Status: Completed - Case Closed	515 TUNNEL 515 TUNNEL	10 10	144 145
NORCAL-SUNSET SCAVENGER Status: Completed - Case Closed	0 TUNNEL & BEATTY	10	147
MICHELUCCI & ASOCIATES Status: Completed - Case Closed	505 TUNNEL	10	155
VAN ARSDALE HARRIS LUMBER COMP Status: Completed - Case Closed	595 TUNNEL AVE	13	211
KESSLER AND KESSLER Status: Open - Inactive	250 INDUSTRIAL WY	15	216
OXFORD CHEMICALS INC. Status: Completed - Case Closed	275 VALLEY DR.	18	254
PARGETER PROPERTY  CENTER LINE AUTOMOTIVE  Status: Completed - Case Closed	3840 BAYSHORE 3840 BAYSHORE	20 <b>20</b>	299 <b>299</b>
VWR FACILITY (FORMER) BRISBANE CORP YARD Status: Completed - Case Closed	3745-3775 BAYSHORE BOUL 3795 BAYSHORE	20 22	301 317
WILDBERG BROTHERS (BOLIDEN MET Status: Completed - Case Closed	349 OYSTER POINT BLVD	32	354
DI SALVO TRUCKING Status: Completed - Case Closed	335 OYSTER POINT	33	363
FEDERAL EXPRESS FED EX Status: Completed - Case Closed	900 GATEWAY 900 GATEWAY BLVD	35 35	367 367
BLUE LINE TRANSFER STATION Status: Completed - Case Closed	180 OYSTER POINT	36	394
MALCOLM DRILLING CO INC STANDARD ELECTRIC Status: Open - Site Assessment	200 OYSTER POINT BOULEV 930 LINDEN	36 37	402 405
SHELL SHELL OIL CO Status: Completed - Case Closed	899 AIRPORT 899 AIRPORT BLVD	38 38	409 411
UNOCAL SERVICE STATION #4524 Status: Completed - Case Closed	901 AIRPORT	38	420
UNOCAL #4524 BERKELEY FARMS Status: Completed - Case Closed	901 AIRPORT 561 ECCLES	38 40	425 450
BERKELEY FARMS MC RIVERA INC HOUSING CONSTRUCTION Status: Completed - Case Closed	561 ECCLES 821 CYPRESS 821 CYPRESS	40 42 42	452 454 454
AVIS RENT A CAR SYSTEM INC Status: Completed - Case Closed	513 ECCLES AVE	43	456

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are 4 CA FID UST sites within the searched area.

Site	Address	Map ID	Page
*REC&PARK/CANDLESTICK PARK	1 CANDLESTICK PARK	3	6
SANITARY FILL	501 TUNNEL AVE	7	99
CHILTERN DEVELOPMENT CORPORATI	105 OYSTER POINT BLVD	35	389
AVIS RENT A CAR SYSTEM INC	513 ECCLES AVE	43	456

CA SLIC: SLIC Region comes from the California Regional Water Quality Control Board.

A review of the CA SLIC list, as provided by EDR, and dated 07/30/2014 has revealed that there are 6 CA SLIC sites within the searched area.

Site	Address	Map ID	Page
BRISBANE BAYLANDS Facility Status: Open - Assessment & Int	BAYSHORE BOULEVARD erim Remedial Action	9	141
SFPP (KINDER MORGAN) BRISBANE Facility Status: Open - Remediation	950 TUNNEL AVE	19	271
VWR FACILITY (FORMER) Facility Status: Open - Site Assessment	3745-3775 BAYSHORE BOUL	20	301
333 OYSTER POINT Facility Status: Open - Verification Monito	333 OYSTER POINT BOULEV oring	33	366
MALCOLM DRILLING CO INC Facility Status: Completed - Case Closed	200 OYSTER POINT BOULEV	36	402
STANDARD ELECTRIC Facility Status: Completed - Case Closed	930 LINDEN	37	405

CA UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the CA UST list, as provided by EDR, and dated 07/30/2014 has revealed that there are 2 CA UST sites within the searched area.

Site	Address	Map ID	Page
SF RECYCLING AND	501 TUNNEL AV	7	93
SANITARY FILL	501 TUNNEL AVE	7	113

CA HIST UST: Historical UST Registered Database.

A review of the CA HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 3 CA HIST UST sites within the searched area.

Site	Address	Map ID	Page
SWETS	501 TUNNEL AVE	7	126
OXFORD CHEMICALS INC.	275 VALLEY DR.	18	254
SHELL OIL CO	899 AIRPORT BLVD	38	411

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

A review of the NY MANIFEST list, as provided by EDR, has revealed that there is 1 NY MANIFEST site within the searched area.

Site	Address	Map ID	Page
VWR INTERNATIONAL. LLC	3745 BAYSHORE BLVD.	21	302

CA SWEEPS UST: 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.

A review of the CA SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 11 CA SWEEPS UST sites within the searched area.

Site	Address	Map ID	Page
*REC&PARK/CANDLESTICK PARK	1 CANDLESTICK PARK	3	6
SANITARY FILL	501 TUNNEL AVE	7	113
WESTERN ART STONE COMPANY INC	541 TUNNEL AVE	10	143
VAN ARSDALE HARRIS LUMBER COMP	595 TUNNEL AVE	13	211
VACANT BUILDING	350 INDUSTRIAL WAY	15	216
CORPORATION YARD	3745 BAYSHORE (BEHIND)	21	316
CHILTERN DEVELOPMENT CORPORATI	105 OYSTER POINT BLVD	35	390
PROPERTY AT FORMER SHEARWATER	103 OYSTER PT	35	393
BLUE LINE TRANSFER STATION	180 OYSTER POINT	36	394
UNOCAL #4524	901 AIRPORT	38	425
BERKELEY FARMS	561 ECCLES	40	452

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

A review of the CA CHMIRS list, as provided by EDR, and dated 06/26/2014 has revealed that there are 7 CA CHMIRS sites within the searched area.

Site	Address	Map ID	Page
SWETS	501 TUNNEL AVE	7	126

Site	Address	Map ID	Page
OXFORD CHEMICALS INC.	275 VALLEY DR.	18	254
SFPP, LP	950 TUNNEL AVENUE	19	260
SFPP (KINDER MORGAN) BRISBANE	950 TUNNEL AVE	19	271
VWR SCIENTIFIC PRODUCTS	3745 BAYSHORE BLVD	21	310
WDR-SIERRA POINT MARINA	400 MARINA BLVD	25	320
OYSTER POINT INTER AREA 1	OYSTER POINT BLVD	39	441

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

A review of the CA LDS list, as provided by EDR, and dated 07/30/2014 has revealed that there are 2 CA LDS sites within the searched area.

Site	Address	Map ID	Page
SIERRA POINT LANDFILL	1000 MARINA BLVD.	25	322
OYSTER POINT INTER AREA 1	OYSTER POINT BLVD	39	441

CA AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the CA AST list, as provided by EDR, and dated 08/01/2009 has revealed that there are 3 CA AST sites within the searched area.

Site	Address	Map ID	Page
SF RECYCLING & DISPOSAL INC	501 TUNNEL	7	99
SANITARY FILL CO/SWETS SHOP	501 TUNNEL AVE	7	121
BRISBANE RECYCLING CO INC	5 BEATTY	11	159

CA Notify 65: 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.

A review of the CA Notify 65 list, as provided by EDR, and dated 10/21/1993 has revealed that there are 8 CA Notify 65 sites within the searched area.

Site	Address	Map ID	Page
WESTERN ART STONE COMPANY INC	541 TUNNEL AVE	10	143
V+A AUTO REPAIR	2800 BAYSHORE BOULEVARD	12	159
VACANT BUILDING	350 INDUSTRIAL WAY	15	216
KESSLER AND KESSLER	250 INDUSTRIAL WY	15	216
OXFORD CHEMICALS INC.	275 VALLEY DR.	18	254
UNOCAL SERVICE STATION #4524	901 AIRPORT	38	420
SWIFT INDEPENDENT	429 CABOT ROAD	44	462
VACENT LOT	108 SYLVESTER ROAD	46	472

CA DEED: The use of recorded land use restrictions is one of the methods the DTSC uses to protect the public from unsafe exposures to hazardous substances and wastes .

A review of the CA DEED list, as provided by EDR, and dated 06/09/2014 has revealed that there are 3 CA DEED sites within the searched area.

Site	Address	Map ID	Page
SOUTHERN PACIFIC TRANSPORTATIO	GENEVA AVENUE AND BAYSH	12	162
MALCOLM DRILLING	200 OYSTER POINT	36	394
HOMART DEVELOPMENT CORP.	801 GATEWAY BOULEVARD	39	427

CA VCP: 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.

A review of the CA VCP list, as provided by EDR, and dated 08/05/2014 has revealed that there are 4 CA VCP sites within the searched area.

Address	Map ID	Page
GENEVA AVENUE & BAYSHOR	12	160
MAIN STREET & BAYSHORE	14	213
349 OYSTER POINT BLVD	32	354
801 GATEWAY BOULEVARD	39	427
	GENEVA AVENUE & BAYSHOR MAIN STREET & BAYSHORE 349 OYSTER POINT BLVD	GENEVA AVENUE & BAYSHOR 12 MAIN STREET & BAYSHORE 14 349 OYSTER POINT BLVD 32

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

A review of the CA ENF list, as provided by EDR, and dated 05/30/2014 has revealed that there are 3 CA ENF sites within the searched area.

Site	Address	Map ID	Page
SFPP, L.P. BRISBANE TERMINAL	950 TUNNEL ROAD	19	295
SIERRA POINT LANDFILL	1000 MARINA BLVD.	25	322
OYSTER POINT INTER AREA 1	OYSTER POINT BLVD	39	441

CA RESPONSE: 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.

A review of the CA RESPONSE list, as provided by EDR, and dated 08/05/2014 has revealed that there are 6 CA RESPONSE sites within the searched area.

Site	Address	Map ID	Page
SCHLAGE LOCK COMPANY	BAYSHORE BLVD AND SUNNY	4	7
SOUTHERN PACIFIC TRANSPORTATIO	GENEVA AVENUE AND BAYSH	12	162
QUICKSILVER	200 VALLEY	17	246
HIGHWAY 101/OYSTER POINT	HIGHWAY 101 AT OYSTER P	39	448
VIROLOGIC INC	270 E GRAND AVE STE A	45	462
CALTRANS/SSF MAINTENANCE STATI	166 HARBOR WAY	47	473

CA HAZNET: 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 from non-California manifests & continuation sheets are not included at the present time. 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, & disposal method. The source is the Department of Toxic Substance Control is the agency

A review of the CA HAZNET list, as provided by EDR, and dated 12/31/2012 has revealed that there are 6 CA HAZNET sites within the searched area.

Site	Address	Map ID	Page
VWR INTERNATIONAL, LLC	3745 BAYSHORE BLVD.	21	302
FIVE PRIME THERAPEUTICS INC	951 GATEWAY BLVD	35	386
BAY WEST COVE LLC	159 OYSTER POINT BLVD	35	392
OYSTER POINT INTER AREA 1	OYSTER POINT BLVD	39	441
MC RIVERA INC	821 CYPRESS	42	454
AVIS RENT A CAR SYSTEM INC	513 ECCLES AVE	43	456

CA EMI: Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies

A review of the CA EMI list, as provided by EDR, and dated 12/31/2012 has revealed that there are 6 CA EMI sites within the searched area.

Site	Address	Map ID	Page
FORMER SCHLAGE LOCK FACILITY	2401 BAYSHORE BLVD	4	76
SANITARY FILL COMPANY	501 TUNNEL AVENUE	7	100
SFPP, LP	950 TUNNEL AVENUE	19	260
VWR SCIENTIFIC PRODUCTS	3745 BAYSHORE BLVD	21	310
BLUE LINE TRANSFER STATION	180 OYSTER POINT	36	394
MALCOLM DRILLING CO INC	200 OYSTER POINT BOULEV	36	402

CA 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 CA ENVIROSTOR list, as provided by EDR, and dated 08/05/2014 has revealed that there are 17 CA ENVIROSTOR sites within the searched area.

Site	Address	Map ID	Page
BLANKEN AV. PARKING LOT FOR TH Status: Inactive - Action Required	2201 BAYSHORE BLVD.	1	4
SCHLAGE LOCK COMPANY Status: Active	BAYSHORE BLVD AND SUNNY	4	7

Site	Address	Map ID	Page
FORMER SCHLAGE LOCK FACILITY Status: Inactive - Needs Evaluation	2401 BAYSHORE BLVD	4	76
SUPER EXCAVATORS, INC. (SITE 1 Status: Inactive - Needs Evaluation	HARNEY WAY & ALANA WAY	6	91
SF WATER DEPARTMENT (PG&E MART Status: No Further Action	GENEVA AVENUE & BAYSHOR	12	160
SOUTHERN PACIFIC TRANSPORTATIO Status: Refer: RWQCB Status: Active	GENEVA AVENUE AND BAYSH	12	162
SOUTH LEVINSON PARCEL Status: No Further Action	MAIN STREET & BAYSHORE	14	213
QUICKSILVER Status: Certified	200 VALLEY	17	246
SFPP, LP Status: Refer: Other Agency	950 TUNNEL AVENUE	19	260
SHEARWATER DEVELOPMENT Status: Refer: RWQCB	400 OYSTER POINT BLVD.	29	342
OYSTER POINT DUMP Status: Refer: RWQCB	OYSTER POINT BLVD AT OY	30	345
WILDBERG BROTHERS (BOLIDEN MET Status: Certified	349 OYSTER POINT BLVD	32	354
MAIN SPRING CORP Status: Refer: RWQCB	105 OYSTER PT	35	390
HOMART DEVELOPMENT CORP. Status: Certified O&M - Land Use Restrict	<b>801 GATEWAY BOULEVARD</b> tions Only	39	427
HIGHWAY 101/OYSTER POINT Status: No Further Action	HIGHWAY 101 AT OYSTER P	39	448
VIROLOGIC INC Status: Certified	270 E GRAND AVE STE A	45	462
CALTRANS/SSF MAINTENANCE STATI Status: Backlog	166 HARBOR WAY	47	473

CA WMUDS/SWAT: The Waste Management Unit Database System is used for program tracking and inventory of waste management units. The source is the State Water Resources Control Board.

A review of the CA WMUDS/SWAT list, as provided by EDR, and dated 04/01/2000 has revealed that there are 4 CA WMUDS/SWAT sites within the searched area.

Site	Address	Map ID	Page
SANITARY FILL COMPANY LANDFILL		5	85
WDR-SIERRA POINT MARINA	400 MARINA BLVD	25	320
SIERRA POINT LANDFILL	1000 MARINA BLVD.	25	322
SIERRA POINT LANDFILL (CLOSED)	BAYSHORE FWY ON S.S.F./	26	327

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

A review of the CA HWP list, as provided by EDR, and dated 05/27/2014 has revealed that there are 2 CA HWP sites within the searched area.

Site	Address	Map ID	Page
QUICKSILVER PRODUCTS INC	200 VALLEY DR	17	238
DENNIS X RAY CO	301 ALLERTON AVE	48	476

CA HWT: 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.

A review of the CA HWT list, as provided by EDR, and dated 07/14/2014 has revealed that there is 1 CA HWT site within the searched area.

Site	Address	Map ID	Page
SANITARY FILL COMPANY	501 TUNNEL AVENUE	7	100

#### **EDR PROPRIETARY RECORDS**

EDR US Hist Auto Stat: 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.

A review of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there are 2 EDR US Hist Auto Stat sites within the searched area.

Site	Address	Map ID	Page
Not reported	150 EXECUTIVE PARK BLV	2	6
Not reported	3890 BAYSHORE BLVD	22	317

Please refer to the end of the findings report for unmapped orphan sites due to poor or inadequate address information.

## MAP FINDINGS SUMMARY

	Database	Total Plotted
FEDERAL RECORDS		
<u></u>		
	NPL Proposed NPL	0 0
	Delisted NPL	0
	NPL LIENS	0
	CERCLIS CERC-NFRAP	0 2
	LIENS 2	0
	CORRACTS	1
	RCRA-TSDF	1
	RCRA-LQG	4
	RCRA-SQG	15
	RCRA-CESQG	0
	RCRA NonGen / NLR	2
	US ENG CONTROLS US INST CONTROL	0 0
	ERNS	0
	HMIRS	Ő
	DOT OPS	0
	US CDL	0
	US BROWNFIELDS	0
	DOD	0
	FUDS	0
	LUCIS CONSENT	0 0
	ROD	0
	UMTRA	Ö
	DEBRIS REGION 9	0
	ODI	0
	US MINES	0
	TRIS	0
	TSCA FTTS	0 1
	HIST FTTS	1
	SSTS	0
	ICIS	0
	PADS	0
	MLTS	0
	RADINFO	0
	FINDS RAATS	11 0
	RMP	0
	FEDERAL FACILITY	0
	PCB TRANSFORMER	Ö
	COAL ASH EPA	0
	FEMA UST	0
	US HIST CDL	0
	COAL ASH DOE	0
	SCRD DRYCLEANERS	0

## MAP FINDINGS SUMMARY

	Database	Total Plotted
	US FIN ASSUR US AIRS PRP EPA WATCH LIST 2020 COR ACTION LEAD SMELTERS	0 0 0 0 1
STATE AND LOCAL RE	CORDS	
	CA HIST Cal-Sites CA BOND EXP. PLAN CA SCH CA Toxic Pits CA SWF/LF CA UIC CA WDS CA NPDES CA CORTESE CA HIST CORTESE CA SWRCY CA LUST CA FID UST CA FID UST CA HIST UST CA LIENS CA CUPA Listings NY MANIFEST CA SWEEPS UST CA CHMIRS CA LDS CA MCS CA AST CA Notify 65 CA DEED CA VCP CA DRYCLEANERS CA WIP CA CDL CA ENF CA RESPONSE CA HAZNET CA EMI CA HAULERS CA WIND CA CHWP CA CHWP CA HWP CA HWM	4 2 0 0 3 0 4 2 4 25 1 35 4 6 2 3 0 0 1 111 7 2 0 3 8 3 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
TRIBAL RECORDS		
	INDIAN RESERV	0

## MAP FINDINGS SUMMARY

	Database	5 '	otal lotted
	INDIAN ODI INDIAN LUST INDIAN UST INDIAN VCP		0 0 0 0
EDR PROPRIETARY RECOR	RDS		
	EDR MGP EDR US Hist Auto Stat EDR US Hist Cleaners CA RGA LF CA RGA LUST		0 2 0 0

## NOTES:

Sites may be listed in more than one database

Map ID Direction Distance Distance (ft.)Site

virection EDR ID Number

Database(s)

**EPA ID Number** 

1 BLANKEN AV. PARKING LOT FOR THE FORMER SCHLAGE LOCK FACTORY CA ENVIROSTOR \$110042439 2201 BAYSHORE BLVD. N/A

**ENVIROSTOR:** 

SAN FRANCISCO, CA 94134

Facility ID: 60001175

Status: Inactive - Action Required

04/28/2010 Status Date: Site Code: 201853 Site Type: Evaluation Site Type Detailed: Evaluation Acres: 0.23 NPL: NO **SMBRP** Regulatory Agencies: **SMBRP** Lead Agency:

Program Manager: Juanita (Nina) Bacey
Supervisor: Denise Tsuji
Division Branch: Cleanup Berkeley

Assembly: 17 Senate: 11

Special Program: EPA - Target Site Investigation

Restricted Use: NO

Site Mgmt Req: NONE SPECIFIED Funding: EPA Grant Latitude: 37.71237 Longitude: -122.4014 APN: NONE SPECIFIED

APN: NONE SPECIFIE Past Use: UNKNOWN

Potential COC: Arsenic Lead TPH-diesel TPH-MOTOR OIL
Confirmed COC: Arsenic 30013-NO TPH-diesel TPH-MOTOR OIL

Potential Description: SOIL
Alias Name: 201853

Alias Type: Project Code (Site Code)

Alias Name: 60001175

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Application
Completed Date: 09/28/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Site Characterization Workplan

Completed Date: 01/25/2010

Comments: Workplan which details soil and soil gas samples to be collected in

the parking lot area adjacent to the Schlage Lock Site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 01/29/2010

Comments: Field work completed

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Site Characterization Report

Completed Date: 04/28/2010

Map ID Direction Distance Distance (ft.)Site

rection EDR ID Number

#### BLANKEN AV. PARKING LOT FOR THE FORMER SCHLAGE LOCK FACTORY (Continued)

S110042439

**EPA ID Number** 

Database(s)

Comments: Although DTSC activities are complete, investigation of the site

revealed COCs above screening levels in soil (TPH-d, mo and arsenic). Further investigation may be required to determine the extent of the contamination and, remediation may be necessary depending on the

future use of the site.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: State/Federal Funded Site Contract Fiscal Approval (CFA)

Completed Date: 11/10/2009 Comments: CFA approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 04/30/2010

Comments: Contractor is ordered to stop all work since all activities required

under the contract have been completed.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: State/Federal Funded Site Work Order

Completed Date: 01/05/2010

Comments: Work order issued to URS to conduct a Targeted Site Investigation.

Future Area Name: Not reported Future Sub Area Name: Not reported Future Document Type: Not reported Future Due Date: Not reported Not reported Schedule Area Name: Not reported Schedule Sub Area Name: Schedule Document Type: Not reported Schedule Due Date: Not reported Schedule Revised Date: Not reported

#### 2 TUNTEX PROPERTIES INC 150 EXECUTIVE PARK SAN FRANCISCO, CA 94134

CA San Mateo Co. BI S106980985 N/A

San Mateo Co. BI:

Region: SAN MATEO Facility ID: FA0000041

Prog Element Code: HAZARDOUS WASTE PROGRAM - GENERAL

Record Id: PR0043183

Description: HAZARDOUS WASTE PROGRAM - GENERAL

 Region:
 SAN MATEO

 Facility ID:
 FA0000041

 Prog Element Code:
 2310

 Record Id:
 PR0000093

Description: MONITORING WELLS/BORINGS

Direction EDR ID Number

Distance (ft.)Site Database(s) EPA ID Number

2 EDR US Hist Auto Stat 1015236622 150 EXECUTIVE PARK BLVD N/A

SAN FRANCISCO, CA 94134

EDR Historical Auto Stations:

Name: AUTOMOBILE REPAIR

Year: 1999

Address: 150 EXECUTIVE PARK BLVD

Name: HAYWARD AUTO & TRUCK

Year: 2011

Address: 150 EXECUTIVE PARK BLVD

Name: HAYWARD AUTO & TRUCK

Year: 2012

Address: 150 EXECUTIVE PARK BLVD

3 \*REC&PARK/CANDLESTICK PARK 1 CANDLESTICK PARK SAN FRANCISCO, CA 94134

CA FID UST:

Facility ID: 38005336
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 415000000
Mail To: Not reported

Mailing Address: 1 CANDLESTICK PARK

Mailing Address 2: Not reported

Mailing City, St, Zip: SAN FRANCISCO 94134

Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

SWEEPS UST:

Status: Active
Comp Number: 3888
Number: 9

Board Of Equalization: Not reported Referral Date: 09-30-92 Action Date: 12-10-91 Created Date: 01-01-01 Owner Tank Id: Not reported

SWRCB Tank ld: 38-000-003888-000001

Tank Status: A
Capacity: 550
Active Date: 09-30-92
Tank Use: UNKNOWN

STG: P

Content: LEADED GASOL

Number Of Tanks: 1

S101592501

N/A

CA FID UST

**CA SWEEPS UST** 

Distance (ft.)Site Database(s) EPA ID Number

4 SCHLAGE LOCK COMPANY
BAYSHORE BLVD AND SUNNYDALE AVE.
SAN FRANCISCO, CA 94134

CA HIST Cal-Sites CA Cortese CA HIST CORTESE CA RESPONSE CA ENVIROSTOR S102008385 N/A

**EDR ID Number** 

Calsite:

Region: BERKELEY
Facility ID: 38340157
Facility Type: RP

Type: RESPONSIBLE PARTY

Branch: NC

Branch Name: NORTH COAST

File Name: SCHLAGE/PACIFIC LITH

State Senate District: 04301994

Status: ANNUAL WORKPLAN (AWP) - ACTIVE SITE
Status Name: ANNUAL WORKPLAN - ACTIVE SITE
Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL

NPL: Not Listed SIC Code: 34

SIC Name: MANU - FABRICATED METAL PRODUCTS

Access: Not reported Cortese: Not reported

Hazardous Ranking Score:

Date Site Hazard Ranked:

Groundwater Contamination:

Staff Member Responsible for Site:

Supervisor Responsible for Site:

Not reported

VLASKY

Not reported

Region Water Control Board: SF

Region Water Control Board Name: SAN FRANCISCO BAY

Lat/Long Direction: Not reported Lat/Long (dms): 0 0 0 / 0 0 0 Uat/long Method: Not reported Lat/Long Description: Not reported

State Assembly District Code: 12
State Senate District Code: 08
Facility ID: 38340157
Activity: DISC
Activity Name: DISCOVERY
AWP Code: Not reported

Proposed Budget: 0

AWP Completion Date: Not reported Revised Due Date: Not reported Comments Date: 10301981

Est Person-Yrs to complete: 0

Estimated Size: Not reported Request to Delete Activity: Not reported

Activity Status: AWP

Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE

Liquids Removed (Gals): 0 Liquids Treated (Gals): 0

Action Included Capping:
Well Decommissioned:
Action Included Fencing:
Not reported

For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0

Distance (ft.)Site Database(s) EPA ID Number

## SCHLAGE LOCK COMPANY (Continued)

S102008385

**EDR ID Number** 

Unknown Type: 0

Facility ID: 38340157 Activity: SS

Activity Name: SITE SCREENING AWP Code: Not reported

Proposed Budget:

AWP Completion Date:

Revised Due Date:

Comments Date:

Not reported
Not reported
09231993

Est Person-Yrs to complete:

Estimated Size: Not reported Request to Delete Activity: Not reported Activity Status: AWP

Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE

Liquids Removed (Gals): 0
Liquids Treated (Gals): 0

Action Included Capping:

Well Decommissioned:

Action Included Fencing:

Removal Action Certification:

Activity Comments:

Not reported

Not reported

Not reported

For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 38340157

Activity: ORDER
Activity Name: I/SE, IORSE

Activity Name: I/SE, IORSE, FFA, FFSRA, VCA, EA

AWP Code: IS&E Proposed Budget: 0

AWP Completion Date:

Revised Due Date:

Comments Date:

Est Person-Yrs to complete:

Not reported
Not reported
09081994

09081994

Estimated Size: Not reported Request to Delete Activity: Not reported Activity Status: AWP

Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE

Liquids Removed (Gals): 0
Liquids Treated (Gals): 0

Action Included Capping:

Well Decommissioned:

Action Included Fencing:

Removal Action Certification:

Activity Comments:

Not reported

Not reported

Not reported

For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 38340157
Activity: PEA

Activity Name: PRELIMINARY ENDANGERMENT ASSESSMENT

AWP Code: Not reported

Proposed Budget: 0

AWP Completion Date: Not reported Revised Due Date: Not reported Comments Date: 11151994

Distance (ft.)Site Database(s) EPA ID Number

## SCHLAGE LOCK COMPANY (Continued)

S102008385

**EDR ID Number** 

Est Person-Yrs to complete:

Estimated Size: Not reported Request to Delete Activity: Not reported Activity Status: AWP

Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE

Liquids Removed (Gals): 0 Liquids Treated (Gals): 0

Action Included Capping:

Well Decommissioned:

Action Included Fencing:

Removal Action Certification:

Activity Comments:

Not reported

Not reported

Not reported

Not reported

For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0

Facility ID: 38340157 Activity: ORDER

Activity Name: I/SE, IORSE, FFA, FFSRA, VCA, EA

AWP Code: P LIT
Proposed Budget: 0
AWP Completion Date: Not reported

Revised Due Date:

Comments Date:

Comments Date:

Est Person-Yrs to complete:

Estimated Size:

Not reported

Not reported

Request to Delete Activity:
Activity Status:

Not reported
Not reported
AWP

Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE

Liquids Removed (Gals): 0 Liquids Treated (Gals): 0

Action Included Capping: Not reported Well Decommissioned: Not reported Action Included Fencing: Not reported Removal Action Certification: Not reported Activity Comments: Not reported

For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 38344

Facility ID: 38340157 Activity: ORDER

Activity Name: I/SE, IORSE, FFA, FFSRA, VCA, EA

AWP Code: AMEND Proposed Budget: 0

AWP Completion Date:

Revised Due Date:

Comments Date:

Est Person-Yrs to complete:

Description Date:

Not reported
Not reported
Not reported
Not reported
Not reported

Estimated Size: Not reported Request to Delete Activity: Not reported Activity Status: AWP

Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE

Liquids Removed (Gals): 0 Liquids Treated (Gals): 0

Action Included Capping: Not reported Well Decommissioned: Not reported

Distance (ft.)Site Database(s) EPA ID Number

## SCHLAGE LOCK COMPANY (Continued)

S102008385

**EDR ID Number** 

Action Included Fencing: Not reported Removal Action Certification: Not reported Activity Comments: Not reported

For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 38340157
Activity: ORDER

Activity Name: I/SE, IORSE, FFA, FFSRA, VCA, EA

AWP Code: AMEND Proposed Budget: 0

AWP Completion Date: Not reported Revised Due Date: Not reported Comments Date: 06221995

Est Person-Yrs to complete: 0

Estimated Size: Not reported Request to Delete Activity: Not reported Activity Status: AWP

Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE

Liquids Removed (Gals): 0 Liquids Treated (Gals): 0

Action Included Capping:

Well Decommissioned:

Action Included Fencing:

Removal Action Certification:

Activity Comments:

Not reported

Not reported

Not reported

For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 38340157
Activity: CEQA

Activity Name: CEQA INCLUDING NEGATIVE DECS

AWP Code: NEGD Proposed Budget: 0

AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 11221995
For Parson Viry to complete: 0

Est Person-Yrs to complete: 0

Estimated Size: Not reported Request to Delete Activity: Not reported Activity Status: AWP

Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE

Liquids Removed (Gals): 0 Liquids Treated (Gals): 0

Action Included Capping: Not reported Well Decommissioned: Not reported Action Included Fencing: Not reported Removal Action Certification: Not reported Activity Comments: Not reported

For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 383

Facility ID: 38340157 Activity: RAW

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

## SCHLAGE LOCK COMPANY (Continued)

S102008385

**EDR ID Number** 

Activity Name: REMOVAL ACTION WORKPLAN

AWP Code: SUMP Proposed Budget: 0

AWP Completion Date: Not reported Revised Due Date: Not reported Comments Date: 11221995
Est Person-Yrs to complete: 0

Estimated Size: Not reported Request to Delete Activity: Not reported Activity Status: AWP

Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE

Liquids Removed (Gals): 0 Liquids Treated (Gals): 0

Action Included Capping:

Well Decommissioned:

Action Included Fencing:

Removal Action Certification:

Activity Comments:

Not reported

Not reported

Not reported

For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 38340157
Activity: COST

Activity Name: COST RECOVERY

AWP Code: BANKR

Proposed Budget: 0

AWP Completion Date: Not reported Revised Due Date: Not reported Comments Date: 11221995

Est Person-Yrs to complete: 0

Estimated Size: Not reported Request to Delete Activity: Not reported Activity Status: AWP

Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE

Liquids Removed (Gals): 0
Liquids Treated (Gals): 0

Action Included Capping:

Well Decommissioned:

Action Included Fencing:

Removal Action Certification:

Activity Comments:

Not reported

Not reported

Not reported

 For Commercial Reuse:
 0

 For Industrial Reuse:
 0

 For Residential Reuse:
 0

 Unknown Type:
 0

 Facility ID:
 38340157

 Activity:
 RIFS

Activity Name: REMEDIAL INVESTIGATION / FEASIBILITY STUDY

AWP Code: GW Proposed Budget: 0

AWP Completion Date:

Revised Due Date:

Comments Date:

Est Person-Yrs to complete:

Not reported
Not reported
12041997

0

Estimated Size: Not reported Request to Delete Activity: Not reported

Map ID Direction Distance

Distance (ft.)Site Database(s) **EPA ID Number** 

## SCHLAGE LOCK COMPANY (Continued)

S102008385

**EDR ID Number** 

Activity Status: **AWP** 

ANNUAL WORKPLAN - ACTIVE SITE Definition of Status:

Liquids Removed (Gals): 0 Liquids Treated (Gals): 0

Action Included Capping: Not reported Well Decommissioned: Not reported Not reported Action Included Fencing: Removal Action Certification: Not reported **Activity Comments:** Not reported

For Commercial Reuse: 0 For Industrial Reuse: 0 0 For Residential Reuse: Unknown Type: 0

Facility ID: 38340157 Activity: **ORDER** 

Activity Name: I/SE, IORSE, FFA, FFSRA, VCA, EA

AWP Code: **AMEND** Proposed Budget:

AWP Completion Date: Not reported Not reported Revised Due Date: Comments Date: 01261996

Est Person-Yrs to complete: 0

Estimated Size: Not reported Request to Delete Activity: Not reported **Activity Status: AWP** 

Definition of Status:

ANNUAL WORKPLAN - ACTIVE SITE

Liquids Removed (Gals): Liquids Treated (Gals):

Action Included Capping: Not reported Well Decommissioned: Not reported Action Included Fencing: Not reported Removal Action Certification: Not reported **Activity Comments:** Not reported

For Commercial Reuse: For Industrial Reuse: 0 0 For Residential Reuse: Unknown Type: 0 Facility ID: 38340157 Activity: ORDER

I/SE, IORSE, FFA, FFSRA, VCA, EA Activity Name:

AWP Code: RESCI Proposed Budget:

AWP Completion Date: Not reported Not reported Revised Due Date: 01301996 Comments Date:

Est Person-Yrs to complete:

Estimated Size: Not reported Request to Delete Activity: Not reported Activity Status: **AWP** 

**Definition of Status:** ANNUAL WORKPLAN - ACTIVE SITE

Liquids Removed (Gals): 0 Liquids Treated (Gals): 0

Action Included Capping: Not reported Well Decommissioned: Not reported Action Included Fencing: Not reported Removal Action Certification: Not reported **Activity Comments:** Not reported

Distance (ft.)Site Database(s) EPA ID Number

## SCHLAGE LOCK COMPANY (Continued)

S102008385

**EDR ID Number** 

For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 3834

Facility ID: 38340157 Activity: RA

Activity Name: REMOVAL ACTION

AWP Code: SUMP Proposed Budget: 0

AWP Completion Date: Not reported Revised Due Date: Not reported Comments Date: 11131996

Est Person-Yrs to complete: 0

Estimated Size: Not reported Request to Delete Activity: Not reported Activity Status: AWP

Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE

Liquids Removed (Gals): 45 Liquids Treated (Gals): 0

Action Included Capping: Not reported Well Decommissioned: Not reported Action Included Fencing: Not reported

Removal Action Certification: N

Activity Comments: HOT SPOT REMOVAL OF SUMPS AND SOIL CONTAMINATED WITH VOLATILE

ORGANICCOMPOUNDS FROM THE INTERIOR OF THE FORMER PACIFIC LITHOGRAPH

BUILDING.

For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 38340157

Activity: CERT
Activity Name: CERTIFICATION

AWP Code: Not reported

Proposed Budget: 0
AWP Completion Date: 12312006
Revised Due Date: 07012008
Comments Date: Not reported

Est Person-Yrs to complete: 0

Estimated Size: Not reported Request to Delete Activity: Not reported Activity Status: AWP

Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE

Liquids Removed (Gals): 0 Liquids Treated (Gals): 0

Action Included Capping: Not reported Well Decommissioned: Not reported Action Included Fencing: Not reported Removal Action Certification: Not reported Activity Comments: Not reported

For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 38340157
Activity: RA

Activity Name: REMOVAL ACTION

Map ID
Direction
Distance

Distance (ft.)Site Database(s) EPA ID Number

## SCHLAGE LOCK COMPANY (Continued)

AWP Code:

Proposed Budget:

AWP Completion Date: Not reported Revised Due Date: Not reported Comments Date: 12101999

Est Person-Yrs to complete: 0

Estimated Size: Not reported Request to Delete Activity: Not reported Activity Status: AWP

Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE

SVE

0

Liquids Removed (Gals): 0 Liquids Treated (Gals): 0

Action Included Capping: Not reported Well Decommissioned: Not reported Action Included Fencing: Not reported

Removal Action Certification: N

Activity Comments: Not reported

For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 38340157
Activity: RAW

Activity Name: REMOVAL ACTION WORKPLAN

AWP Code: SOLV Proposed Budget: 0

AWP Completion Date: Not reported Revised Due Date: Not reported Comments Date: 01231998

Est Person-Yrs to complete: 0

Estimated Size: Not reported Request to Delete Activity: Not reported Activity Status: AWP

Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE

Liquids Removed (Gals): 0
Liquids Treated (Gals): 0

Action Included Capping:

Well Decommissioned:

Action Included Fencing:

Removal Action Certification:

Activity Comments:

Not reported

Not reported

Not reported

Not reported

 For Commercial Reuse:
 0

 For Industrial Reuse:
 0

 For Residential Reuse:
 0

 Unknown Type:
 0

 Facility ID:
 38340157

 Activity:
 CEQA

Activity Name: CEQA INCLUDING NEGATIVE DECS

AWP Code: NEG'D Proposed Budget: 0

AWP Completion Date:

Revised Due Date:

Comments Date:

Not reported
Not reported
01231998

Est Person-Yrs to complete: 0

Estimated Size: Not reported Request to Delete Activity: Not reported Activity Status: AWP

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S102008385

**EDR ID Number** 

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

## SCHLAGE LOCK COMPANY (Continued)

S102008385

**EDR ID Number** 

Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE

Liquids Removed (Gals): 0 Liquids Treated (Gals): 0

Action Included Capping:

Well Decommissioned:

Action Included Fencing:

Removal Action Certification:

Activity Comments:

Not reported

Not reported

Not reported

Not reported

 For Commercial Reuse:
 0

 For Industrial Reuse:
 0

 For Residential Reuse:
 0

 Unknown Type:
 0

 Facility ID:
 38340157

 Activity:
 RIFS

Activity Name: REMEDIAL INVESTIGATION / FEASIBILITY STUDY

AWP Code: SITE Proposed Budget: 0

AWP Completion Date: 09302005
Revised Due Date: 07012006
Comments Date: Not reported

Est Person-Yrs to complete: 0

Estimated Size: Not reported Request to Delete Activity: Not reported

Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE

Liquids Removed (Gals): 0
Liquids Treated (Gals): 0

Action Included Capping:

Well Decommissioned:

Action Included Fencing:

Removal Action Certification:

Activity Comments:

Not reported

Not reported

Not reported

For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 38340157
Activity: OM

Activity Name: OPERATION & MAINTENANCE

AWP Code: PLAN Proposed Budget: 0

AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 04272000

Tot Parson Verta complete: 0

Est Person-Yrs to complete: 0

Estimated Size: Not reported Request to Delete Activity: Not reported

Activity Status: AWP

Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE

Liquids Removed (Gals): 0 Liquids Treated (Gals): 0

Action Included Capping:

Well Decommissioned:

Action Included Fencing:

Removal Action Certification:

Activity Comments:

Not reported

Not reported

Not reported

For Commercial Reuse: 0

Distance (ft.)Site Database(s) EPA ID Number

## SCHLAGE LOCK COMPANY (Continued)

S102008385

**EDR ID Number** 

For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 38340157
Activity: RAP

Activity Name: REMEDIAL ACTION PLAN / RECORD OF DECISION

AWP Code: SITE
Proposed Budget: 0
AWP Completion Date: 12312005
Povined Due Date: 07713006

Revised Due Date: 07012006
Comments Date: Not reported

Est Person-Yrs to complete: 0

Estimated Size: Not reported Request to Delete Activity: Not reported Activity Status: AWP

Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE

Liquids Removed (Gals): 0
Liquids Treated (Gals): 0

Action Included Capping:
Well Decommissioned:
Action Included Fencing:
Removal Action Certification:
Activity Comments:
Not reported
Not reported
Not reported

For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 38340157
Activity: RMDL

Activity Name: REMEDIAL ACTION (RAP REQUIRED)

AWP Code: Not reported

Proposed Budget: 0

AWP Completion Date: 09302006
Revised Due Date: 07012007
Comments Date: Not reported

Est Person-Yrs to complete:

Estimated Size: Not reported Request to Delete Activity: Not reported Activity Status: AWP

Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE

Liquids Removed (Gals): 0 Liquids Treated (Gals): 0

Action Included Capping:

Well Decommissioned:

Action Included Fencing:

Removal Action Certification:

Activity Comments:

Not reported

Not reported

Not reported

For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 383

Facility ID: 38340157
Activity: DES
Activity Name: DESIGN
AWP Code: SITE
Proposed Budget: 0

AWD Completion Date: 027000000

AWP Completion Date: 07202006

Map ID
Direction
Distance

Distance (ft.)Site Database(s) EPA ID Number

## SCHLAGE LOCK COMPANY (Continued)

S102008385

**EDR ID Number** 

Revised Due Date: 12312006 Comments Date: Not reported

Est Person-Yrs to complete: 0

Estimated Size: Not reported Request to Delete Activity: Not reported Activity Status: AWP

Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE

Liquids Removed (Gals): 0 Liquids Treated (Gals): 0

Action Included Capping:

Well Decommissioned:

Action Included Fencing:

Removal Action Certification:

Activity Comments:

Not reported

Not reported

Not reported

For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0

Alternate Address: 2201 BAYSHORE BLVD
Alternate City,St,Zip: SAN FRANCISCO, CA 94134

Alternate Address: BAYSHORE BLVD AND SUNNYDALE AVE.

Alternate City,St,Zip: SAN FRANCISCO, CA 94134
Alternate Address: 2401 BAYSHORE BLVD
Alternate City,St,Zip: SAN FRANCISCO, CA 94134
Alternate Address: 2555 BAYSHORE BLVD
Alternate City,St,Zip: SAN FRANCISCO, CA 94134

Background Info: Schlage Lock Company manufactured door hardware and lock parts

since 1926 in the building now known as Plant 1. The size of the facility was expanded by the acquisition of Plant 2 in 1942, Plant 1-X in 1964, and lastly Plant 3 in 1950. Schlage Lock was

acquired by Ingersoll-Rand Corporation in 1974. The

manufacturing process included stamping and machining metal alloys; deburring brass, bronze, nickel, silver and steel parts; and cleaning brass and bronze parts with Safety Kleen 150, a petroleum naphtha solvent. The parts were electroplated using a non-chrome clear coat process to prevent corrosion. Zinc dichromate was formerly used in the electroplating process. The facility closed operation in December 1999. In 1980, Plant 3 was sold to Pacific Lithograph Company. They used products containing trichloroethane and stoddard solvent in lithographic processing. Pacific Lithograph declared bankruptcy in January 1984. Pacific Lithograph was acquired by Touch-Plate International Corporation, a subsidiary of Schlage Lock in

November 1995 through bankruptcy.

Comments Date: 01231998

Comments: Approved RAW. A soil vapor extraction treatment system was

Comments Date: 01231998

Comments: proposed as an alternative which DTSC approved. CEQA Negative

Comments Date: 01231998

Comments: Declaration for the project was adopted.

Comments Date: 01261995

Comments: Issued Order to Pacific Lithograph. DTSC issued an Order solely

Comments Date: 01261995

Comments: to Pacific Lithograph to require the company to remediate the

Comments Date: 01261995

Comments: contaminated soil in the sump area and solvent room of Plant 3.

Comments Date: 01261996

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

#### SCHLAGE LOCK COMPANY (Continued)

S102008385

**EDR ID Number** 

Comments: An Amendment to the Order was issued to remove Pacific

Comments Date: 01261996

Comments: Lithograph as one of the RPs due to its bankruptcy filing and

Comments Date: 01261996

Comments: acquisition of Plant 3 by Schlage Lock and to incorporate by

Comments Date: 01261996

Comments: reference requirements of I&SE 94/95-007 into I&SE 94/95-003.

Comments Date: 01301996

Comments: Rescinded Order. I&SE 94/95-007 was rescinded.

Comments Date: 03011995

Comments: Issued Amended Order to additional RPs to require them to

Comments Date: 03011995

Comments: conduct a remedial investigation and treatability studies on the

Comments Date: 03011995

Comments: Schlage Lock, Pacific Lithograph and the Norton Trust properties.

Comments Date: 04272000

Comments: Approved O&M Plan. An Operation and Maintenance Plan for the

Comments Date: 04272000

Comments: soil vapor extraction treatment system was approved.

Comments Date: 06221995

Comments: Amended Order. The Order was once again amended to name Schlage

Comments Date: 06221995

Comments: Lock and Southern Pacific, as responsible parties, for being the

Comments Date: 06221995

Comments: past owners of Plant 3 and Schglage Lock operating in Plant 3.

Comments Date: 09081994

Comments: Issued I&SE Order. An Imminent and Subtanstial Endangerment

Comments Date: 09081994

Comments: Determination and Remedial Action Order (Order) was issued to

Comments Date: 09081994

Comments: Responsible Parties (RPs) to conduct further investigation and

Comments Date: 09081994

Comments: remediation at the Pacific Lithograph property or Plant 3 of the

Comments Date: 09081994

Comments: former Schlage Lock Property.

Comments Date: 09231993

Comments: SS - DTSC was notified that soil contaminated with volatile

Comments Date: 09231993

Comments: organic compounds (VOCs) had been discovered on the former

Comments Date: 09231993

Comments: Pacific Lithograph Company.

Comments Date: 11131996

Comments: Completed RA. Implementation of the soil removal action in the

Comments Date: 11131996

Comments: former strip and degreasing rooms of Plant 3 was approved by

Comments Date: 11131996

Comments: DTSC. Additional remediation was recommended to remove

Comments Date: 11131996
Comments: remaining VOCs in soil.

Comments Date: 11151994

Comments: Completed PEA. A Preliminary Endangerment Assessment (PEA)

Comments Date: 11151994

Comments: Report was approved by DTSC. It contains results of

Comments Date: 11151994

Comments: investigations conducted both in soil and groundwater south of

Comments Date: 11151994

Comments: building 2X. The PEA Report findings indicate the presence of

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

## SCHLAGE LOCK COMPANY (Continued)

S102008385

**EDR ID Number** 

Comments Date: 11151994

Comments: elevated soil concentrations of perchloroethylene (PCE) and

Comments Date: 11151994

Comments: trichloroethylene (TCE) in the former strip and degreasing rooms

Comments Date: 11151994

Comments: of Plant 3. Pacific Lithograph used these rooms in its

Comments Date: 11151994

Comments: operations. Low levels of metals were detected in soil.

Comments Date: 11151994

Comments: Groundwater results also show elevated concentrations of PCE and

Comments Date: 11151994

Comments: TCE especially in the strip and degreasing area.

Comments Date: 11221995

Comments: Cost Recovery. Approved RAW to excavate soil contaminated with

Comments Date: 11221995

Comments: VOCs in the former strip and degreasing room of Plant 3. A

Comments Date: 11221995

Comments: Negative Declaration was adopted for this project.

Comments Date: 12041997

Comments: Approved RIFS. Investigations conducted at the site detected

Comments Date: 12041997

Comments: the presence of volatile organic compounds primarily

Comments Date: 12041997

Comments: trichloroethylene (TCE) and perchloroethylene (PCE) in both soil

Comments Date: 12041997
Comments: and groundwater.
Comments Date: 12101999

Comments: Completed RA. The start-up of the soil vapor extraction

Comments Date: 12101999

Comments: treatment system was conducted and a Report approved by DTSC.

ID Name: EPA IDENTIFICATION NUMBER

ID Value: CAD009111212
ID Name: CALSTARS CODE

ID Value: 200454

Alternate Name: SCHLAGE LOCK CO.SCHLAGE/PACIFIC LITHINGERSOLL-RAND CORPPACIFIC LITHOGRAPH

COMPANYSCHLAGE LOCK COMPANYTOUCH-PLATE INTERNATIONAL

Special Programs Code: Not reported Special Programs Name: Not reported

CORTESE:

Region: CORTESE Envirostor Id: 38340157

Site/Facility Type: STATE RESPONSE

Cleanup Status: ACTIVE Status Date: 04/30/1994 Site Code: 201789 Latitude: 37.710137 Longitude: -122.40314 Owner: Not reported Enf Type: Not reported Swat R: Not reported Flag: export Order No: Not reported Waste Discharge System No: Not reported Effective Date: Not reported Region 2: Not reported WID Id: Not reported Map ID Direction Distance Distance (ft.)Site

irection EDR ID Number

## SCHLAGE LOCK COMPANY (Continued)

S102008385

**EPA ID Number** 

Database(s)

Solid Waste Id No: Not reported Waste Management Uit Name: Not reported

HIST CORTESE:

Region: CORTESE
Facility County Code: 38
Reg By: CALSI
Reg Id: 38340157

AWP:

AWP Facility ID: 38340157 Region Code: 2

Region: BERKELEY

SMBR Branch Code: NC

SMBR Branch Unit: NORTH COAST

Site Name.: SCHLAGE/PACIFIC LITH

Current Status Date: 04301994

Current Status: ANNUAL WORKPLAN - ACTIVE SITE

Lead Agency Code: DTSC

Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL

Facility Type: responsible party
Awp Site Type: RESPONSIBLE PARTY

NPL: Not Listed
Tier Of AWP Site: Not reported
Source Of Funding: C
Responsible Staff Member: VLASKY
Supervisor Responsible: Not reported

SIC Code: 34

Facility SIC: MANU - FABRICATED METAL PRODUCTS

RWQCB Code: SF

RWQCB Associated With Site: SAN FRANCISCO BAY

Site Access Controlled: Not reported
Site Listed HWS List: Not reported
Hazard Ranking Score: Not reported
Date Site Hazard Ranked: Not reported
Groundwater Contamination: Confirmed

# Of Contamination Sources: 2

Lat/Long: Not reported Lat/Long (dms): 0 0 0 / 0 0 0 Unit of Lat/long Method: Not reported Description Of Entity: Not reported

State Assembly Distt Code: 12 State Senate District: 08

RESPONSE:

Facility ID: 38340157
Site Type: State Response
Site Type Detail: State Response or NPL

Acres: 15.4
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP

Lead Agency Description: DTSC - Site Cleanup Program

Project Manager: Charles (Chip) Gribble

Supervisor: Denise Tsuji
Division Branch: Cleanup Berkeley

Site Code: 201789

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

## SCHLAGE LOCK COMPANY (Continued)

S102008385

**EDR ID Number** 

Site Mgmt. Req.: NONE SPECIFIED

Assembly: 17 Senate: 11

Special Program Status: Not reported Status: Active Status Date: 04/30/1994 Restricted Use: YES

Funding: Responsible Party

Latitude: 37.71056 Longitude: -122.4031

APN: 5087-003, 5087-003A, 5087-004, 5087003, 5087003A, 5099-014, 5099014,

5100-002, 5100-003, 5100-010, 5100002, 5100003, 5100010, 5101-007,

5101007

Past Use: DEGREASING FACILITY, METAL FINISHING
Potential COC: Tetrachloroethylene (PCE 1,1,1-Trichloroethane (TCA

Trichloroethylene (TCE Vinyl chloride Chloroform 1,2-Dichloroethylene

(cis 1,2-Dichloroethylene (trans

Confirmed COC: Tetrachloroethylene (PCE 1,1,1-Trichloroethane (TCA

Trichloroethylene (TCE Vinyl chloride Chloroform 1,2-Dichloroethylene

(cis 1,2-Dichloroethylene (trans

Potential Description: IA, OTH, SOIL, SV

Alias Name: 5087-003
Alias Type: Alternate Name

Alias Name: INGERSOLL-RAND CORP

Alias Type: Alternate Name

Alias Name: PACIFIC LITHOGRAPH COMPANY

Alias Type: Alternate Name
Alias Name: SCHLAGE LOCK CO.
Alias Type: Alternate Name

Alias Name: SCHLAGE/PACIFIC LITH

Alias Type: Alternate Name

Alias Name: TOUCH-PLATE INTERNATIONAL

5100003

APN

Alias Type: Alternate Name Alias Name: 5087-003 APN Alias Type: Alias Name: 5087-003A Alias Type: APN Alias Name: 5087-004 Alias Type: APN Alias Name: 5087003 APN Alias Type: Alias Name: 5087003A Alias Type: APN Alias Name: 5099-014 Alias Type: APN Alias Name: 5099014 Alias Type: APN Alias Name: 5100-002 Alias Type: APN Alias Name: 5100-003 Alias Type: APN Alias Name: 5100-010 Alias Type: APN Alias Name: 5100002 Alias Type: APN

Alias Name:

Alias Type:

Distance (ft.)Site Database(s) EPA ID Number

## SCHLAGE LOCK COMPANY (Continued)

S102008385

**EDR ID Number** 

 Alias Name:
 5100010

 Alias Type:
 APN

 Alias Name:
 5101-007

 Alias Type:
 APN

 Alias Name:
 5101007

 Alias Type:
 APN

Alias Name: CAD009111212

Alias Type: EPA Identification Number

Alias Name: 110000770764
Alias Type: EPA (FRS #)
Alias Name: 110033610055
Alias Type: EPA (FRS #)
Alias Name: 200454

Alias Type: Site Code - Historical

Alias Name: 201789

Alias Type: Project Code (Site Code)

Alias Name: 38340157

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Remedial Action Plan Amendment

Completed Date: 11/12/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 11/15/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 11/15/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Soils Management Plan

Completed Date: 06/06/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/16/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: \* Discovery
Completed Date: 10/30/1981
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Map ID
Direction
EDR ID Number
Distance

Distance (ft.)Site Database(s) EPA ID Number

## SCHLAGE LOCK COMPANY (Continued)

S102008385

Completed Document Type: CEQA - Initial Study/ Neg. Declaration

Completed Date: 01/23/1998

Comments: NEG Dec for soil RAW

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)

Completed Date: 01/30/1996

Comments: Rescinded Order. I&SE 94/95-007 was rescinded.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Amendment - Order/Agreement

Completed Date: 01/25/1996

Comments: An Amendment to the Order was issued to remove Pacific Lithograph as

one of the RPs due to its bankruptcy filing and acquisition of Plant 3 by Schlage Lock and to incorporate by reference requirements of

I&SE 94/95-007 into I&SE 94/95-003.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: CEQA - Initial Study/ Neg. Declaration

Completed Date: 11/22/1995

Comments: Cost Recovery. Approved RAW to excavate soil contaminated with VOCs

in the former strip and degreasing room of Plant 3. A Negative

Declaration was adopted for this project.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Amendment - Order/Agreement

Completed Date: 06/22/1995

Comments: Amended Order. The Order was once again amended to name Schlage Lock

and Southern Pacific, as responsible parties, for being the past owners of Plant 3 and Schglage Lock operating in Plant 3.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Amendment - Order/Agreement

Completed Date: 03/01/1995

Comments: Issued Amended Order to additional RPs to require them to conduct a

remedial investigation and treatability studies on the Schlage Lock,

Pacific Lithograph and the Norton Trust properties.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)

Completed Date: 01/26/1995

Comments: Issued Order to Pacific Lithograph. DTSC issued an Order solely to

Pacific Lithograph to require the company to remediate the contaminated soil in the sump area and solvent room of Plant 3.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)

Completed Date: 09/08/1994

Comments: Issued I&SE Order. An Imminent and Subtanstial Endangerment

Determination and Remedial Action Order (Order) was issued to

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

## SCHLAGE LOCK COMPANY (Continued)

S102008385

**EDR ID Number** 

Responsible Parties (RPs) to conduct further investigation and remediation at the Pacific Lithograph property or Plant 3 of the

former Schlage Lock Property.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 05/22/2008

Comments: Consent Order with Universal Paragon and BP PLT-I, LLC for the

cleanup of the Schhlage Lock OU.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)

Completed Date: 07/18/2006 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: CEQA - Responsible Agency Review

Completed Date: 11/16/2009

Comments: Addendum approved which clarifies the difference between the original

EIR and the Remedial Action Plan

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Annual Oversight Cost Estimate

Completed Date: 10/13/2009

Comments: The estimated annual oversight cost is \$72,000.00 for the fiscal year

2009/2010.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Completed Date: 08/04/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Annual Oversight Cost Estimate

Completed Date: 10/13/2009
Comments: Not reported

Completed Area Name: Schlage OU
Completed Sub Area Name: Northern Portion
Completed Document Type: Land Use Restriction

Completed Date: 06/27/2014 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Annual Oversight Cost Estimate

Completed Date: 09/22/2011 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

#### SCHLAGE LOCK COMPANY (Continued)

S102008385

**EDR ID Number** 

Completed Document Type: Annual Oversight Cost Estimate

Completed Date: 11/09/2012 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Annual Oversight Cost Estimate

Completed Date: 09/20/2013 Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Completed Date: 06/27/2012
Comments: Not reported

Completed Area Name: Schlage OU
Completed Sub Area Name: Not reported

Completed Document Type: Operation & Maintenance Order/Agreement

Completed Date: 06/26/2014 Comments: Not reported

Completed Area Name: Schlage OU
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/27/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/12/2014
Comments: Not reported

Completed Area Name: Schlage OU
Completed Sub Area Name: Southern Portion
Completed Document Type: Land Use Restriction

Completed Date: 06/27/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Plan

Completed Date: 04/27/2000

Comments: Approved O&M Plan. An Operation and Maintenance Plan for the soil

vapor extraction treatment system was approved.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Removal Action Workplan

Completed Date: 01/23/1998

Comments: The RAW was approved on January 23, 1998, and not January 23, 1997,

as the letter indicates. A soil vapor extraction treatment system was proposed as an alternative which DTSC approved. CEQA Negative

Declaration for the project was adopted.

Completed Area Name: PROJECT WIDE

Map ID
Direction
EDR ID Number
Distance

Distance (ft.)Site Database(s) EPA ID Number

#### SCHLAGE LOCK COMPANY (Continued)

Completed Sub Area Name: Not reported

Completed Document Type: Removal Action Completion Report

Completed Date: 12/10/1999

Comments: Completed RA. The start-up of the soil vapor extraction treatment

system was conducted and a Report approved by DTSC.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Removal Action Completion Report

Completed Date: 11/13/1996

Comments: Completed RA. Implementation of the soil removal action in the former

strip and degreasing rooms of Plant 3, including the removal of sumps. Additional remediation was recommended to remove remaining

VOCs in soil.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Remedial Investigation / Feasibility Study

Completed Date: 12/04/1997

Comments: Approved RIFS. Investigations conducted at the site detected the

presence of volatile organic compounds primarily trichloroethylene (TCE) and perchloroethylene (PCE) in both soil and groundwater.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Removal Action Workplan

Completed Date: 11/22/1995

Comments: Approved a Removal Action Workplan (RAW). The RAW required soil

removal in the former strip and degreasing rooms of Plant 3,

including the removal of sumps.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Preliminary Endangerment Assessment Report

Completed Date: 11/15/1994

Comments: Completed PEA. A Preliminary Endangerment Assessment (PEA) Report

was approved by DTSC. It contains results of investigations

conducted both in soil and groundwater south of building 2X. The PEA Report findings indicate the presence of elevated soil concentrations of perchloroethylene (PCE) and trichloroethylene (TCE) in the former strip and degreasing rooms of Plant 3. Pacific Lithograph used these rooms in its operations. Low levels of metals were detected in soil. Groundwater results also show elevated concentrations of PCE and TCE

especially in the strip and degreasing area.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 09/23/1993

Comments: Completed SS. DTSC was notified that soil contaminated with volatile

organic compounds (VOCs) had been discovered on the former Pacific

Lithograph Company.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Remedial Investigation Report

Completed Date: 09/28/2001

S102008385

Map ID
Direction
Distance

Distance (ft.)Site Database(s) EPA ID Number

## SCHLAGE LOCK COMPANY (Continued)

S102008385

**EDR ID Number** 

Comments: DTSC approved the Remedial Investigation Report for the Soil Operable

Unit.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 07/25/2006

Comments: No comments were made.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 11/08/2006

Comments: DTSC approved report

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 04/13/2007

Comments: DTSC has no comments.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 02/07/2008

Comments: SVE Report indicates results are consistent with VOCs historical

trend.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 05/18/2006

Comments: Minor corrections were made to the GWM Report.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 08/17/2006 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 10/12/2006

Comments: DTSC has no comments.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 12/13/2006

Comments: The report indicates that groundwater concentrations are generally

stable.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 08/27/2007

Map ID Direction Distance

Distance (ft.)Site

SCHLAGE LOCK COMPANY (Continued)

S102008385

Database(s)

**EDR ID Number** 

**EPA ID Number** 

Comments: Schlage Lock addressed VOC concentration increases in a couple of

wells.

PROJECT WIDE Completed Area Name: Completed Sub Area Name: Not reported

Completed Document Type: Remedial Investigation Report

Completed Date: 10/18/2002

Comments: The RI Report indicated that the chemicals of concern at the Site are

chlorinated volatile organic compounds, primarily perchloroethylene

and trichloroethylene. The Report also identified three

water-bearing zones at the site, the A-Fill, A-Sand and B-Sand.

Completed Area Name: **PROJECT WIDE** Completed Sub Area Name: Not reported

Completed Document Type: Risk Assessment Report

Completed Date: 05/14/2003

Comments: The Report indicated that there is a potential for human health

exposure for future land use via ingestion of chemicals in groundwater, dermal contact with chemicals in groundwater and inhalation of chemical vapors migrating from groundwater.

Groundwater ingestion and long-term groundwater contact are however

highly unlikely.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: **Public Notice** Completed Date: 02/01/2002

Comments: Public Notice of Availability of the Remedial Investigation Report

PROJECT WIDE Completed Area Name: Completed Sub Area Name: Not reported

Completed Document Type: Risk Assessment Report

Completed Date: 11/08/2006

Comments: Using previous data, the Report for the site wide risk

> characterization and the southern area subset indicated that there is a potential for human health exposure for workers and residents. subset indicated that there is a potential human health exposure for

workers and residents

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Risk Assessment Report

Completed Date: 01/24/2003

Approved the Human Health Risk Assessment (HHRA) for the Soil Operable Comments:

Unit. The HHRA conducted for both the site wide and the southern area subset indicates that the estimated risks exceeded the acceptable health risk level for future multiple land uses.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Risk Assessment Report

Completed Date: 10/15/1996

Comments: The Baseline Risk Assessment was approved on October 15, 1996. The

Risk Assessment indicates that the estimated non-canceer risk for on-site indoor maintenance worker exceeded the acceptable health risk

level using industrial land use scenario.

Map ID
Direction
EDR ID Number
Distance

Distance (ft.)Site Database(s) EPA ID Number

## SCHLAGE LOCK COMPANY (Continued)

S102008385

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/02/2007

Comments: DTSC has no comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 11/04/2003

Comments: This document was the 2nd update of the Original Participation Plan

completed in 1995. The first update was in April 2000.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Public Participation Plan / Community Relations Plan

Completed Date: 04/30/2000

Comments: This is an update of the Original Plan completed in 1995.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile

Completed Date: 04/07/1989

Comments: DTSC approved the Community Relations Plan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 07/13/1995

Comments: DTSC approved the Public Participation Plan.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 06/01/2007 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Long Term Monitoring Report

Completed Date: 02/11/2008

Comments: Findings consistent with historical VOC trend.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Long Term Monitoring Report

Completed Date: 05/19/2008 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Long Term Monitoring Report

Completed Date: 05/06/2008

Comments: Report indicates soil vapor concentrations generally in a decreasing

trend.

Completed Area Name: PROJECT WIDE

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

#### SCHLAGE LOCK COMPANY (Continued)

S102008385

**EDR ID Number** 

Completed Sub Area Name: Not reported

Completed Document Type: Long Term Monitoring Report

Completed Date: 06/30/2008

Comments: Groundwater concentrations remain within historic ranges.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Long Term Monitoring Report

Completed Date: 11/25/2008

Comments: Report indicates data within historical trend.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Long Term Monitoring Report

Completed Date: 04/06/2009 Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan

Completed Date: 11/16/2009

Comments: The FS/RAP was approved on Nov. 16, 2009. The soil remediation

consists of treating of approximately 15,000 cubic yards of soil contaminated with VOCs by aeration and capping of approximately 22,000 cubic yards of soil contaminated with metals at the UPC SF OU Property. The groundwater will be treated through an Enhanced Reductive Dechlorination (ERD) process using sodium lactate. Sodium lactate is a food grade substance that will be injected into the groundwater to help the micro-organisms present in the soil and groundwater break down the VOCs into non-toxic compounds. Land Use Controls will also be imposed at the site and a soil management plan

will be required when there is a plan to excavate or disturb contaminated soil. Operation and Maintenance of the cap and the groundwater monitoring systems will be required. Also, routine groundwater monitoring will be required until the groundwater cleanup standards (MCLs) are met. The RAP provides for the off-site disposal of 6,000 cubic yards of contaminated soil with VOCs, if necessary.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Design/Implementation Workplan

Completed Date: 01/06/2010

Comments: The Remedial Design Implementation Plan (RDIP) provided details for

injecting emulsified vegetable oil (EVO) into groundwater and excavating and treating approximately 15,000 cubic yards of VOC contaminated soil.

contaminated soil.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed December Types

Remodial Action

Completed Document Type: Remedial Action Completion Report

Completed Date: 05/02/2011

Comments: Completion Report describes remediation conducted in soil with

volatile organic compounds in the northern portion of Visitacion Avenue (Phase I). Soil gas data indicates that the health risk estimates is within the acceptable health risk range for the proposed

development of the property.

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

#### SCHLAGE LOCK COMPANY (Continued)

S102008385

**EDR ID Number** 

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Date: 04/30/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Pilot Study/Treatability Workplan

Completed Date: 07/18/2008

Comments: Treatbility study and data gap investigation workplan and associated

Sampling and Analysis Plan and Quality Assurance Project Plan approved. Pilot studies will be conducted to help determine the most effective method to clean up VOCs in the site soil and groundwater. Soil sampling will be conducted in several areas to better define the extent of soil contamination. The Groundwater Extraction and Treatment System will be turned off as part of this process.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 05/08/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/14/2008

Comments: Schedule is on track including the submittal and approval of Data Gap

Investigation and Treatability Study Workplan, Sampling Plan and Quality Assurance Project Plan (QAPP) which were completed in July

2008.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 09/10/2009

Comments: The Fact Sheet is for the Final Dr. FS/RAP for the Sch OU and the SF

County portion of the UPC OU-1 site. The public comment period is

from Sept. 10 to Oct. 13, 2009.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 09/10/2009

Comments: The Public Notice is for the comment period of the dr FS/RAP for the

Sch OU and the SF County portion of the UPC OU1 site.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Public Participation Plan / Community Relations Plan

Completed Date: 04/30/20

Comments: The most recent update of a Public Participation Plan for the Schlage

Lock Site in Visitacion Valley, San Francisco, CA. This document reviews community interest, views, and concerns related to the investigation and cleanup activities at the Site while identifying effective public participation activities. The community surrounding

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

#### SCHLAGE LOCK COMPANY (Continued)

S102008385

**EDR ID Number** 

the site is extremely varied. Through surveys and individual interviews residents expressed their major concerns which include: dust in an area known for its unpredictable winds; traffic and safety in an area that is already impacted by heavy truck traffic; health impacts and levels of contamination; and the length of time the investigation, clean up, and development are taking. The biggest concern was that a high level of consistent, understandable information be available to the community. This Public Participation Plan update proposes a multi-pronged outreach involving existing meetings and CBO?s to reach out to residents in their everyday activities and in language they understand.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 09/25/2008

Comments: DTSC has approved the decommissioning of the soil vapor extraction

system.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/29/2008

Comments: The schedule is on track. The Pilot Study fieldwork is on-going.

DTSC approved the Soil Vapor Extraction Decommissioning Plan on

9/26/2008.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/22/2008

Comments: Schedule is on track. The pilot study fieldwork is on-going.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/22/2008

Comments: Schedule is on track. Fieldwork is on-going in the implementation of

the approved Pilot Study for Enhanced Reductive Dechlorination (ERD)

and In-Situ Chemical Oxidation (ISCO).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/21/2008

Comments: Additional ERD injection was necessary in November based on the

monitoring results.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Well Decommissioning Workplan

Completed Date: 12/11/2008

Comments: The Workplan describes the procedures to decommission 7 groundwater

monitoring wells located inside the building.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

### SCHLAGE LOCK COMPANY (Continued)

S102008385

**EDR ID Number** 

Completed Document Type: Other Report Completed Date: 12/10/2008

Comments: The proposed modification includes omitting microcosm testing in

certain wells: MEC-12LA, SW-05UA and SW-05LA; and post-injection soil

samples at the ISCO treatment areas.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/23/2008

Comments: Further evaluation of the ERD pilot study needed. Additional

injection and/or monitoring may be necessary.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/26/2009

Comments: Further evaluation of the ERD pilot study needed. RAP document is

being prepared.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/26/2009

Comments: Further evaluation of the ERD pilot study needed. RAP document is

being prepared.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/25/2009

Comments: The Interim Soil Management Plan and the Air and Dust Monitoring

Plans will be implemented during the removal of the building pads.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Well Decommissioning Report

Completed Date: 05/07/2009

Comments: In preparation for the building demolition and site remediation, the

soil vapor extraction treatment system was decommissioned. A total of 53 extraction and monitoring wells were abandoned. Aproximately, 3,833 pounds of volatile organic compounds were removed by the soil

vapor extraction system.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/28/2009

Comments: The Soil Management, Air Monitoring and Dust Monitoring Plans were

submitted on April 17, 2009. The Dr. RAP will be submitted on May 1,

2009.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Well Decommissioning Workplan

Completed Date: 09/23/2008

Comments: The plan proposes removing equipment (blower and carbon unit) and

Map ID Direction Distance Distance (ft.)Site

Distance

#### SCHLAGE LOCK COMPANY (Continued)

S102008385

Database(s)

**EDR ID Number** 

**EPA ID Number** 

appurtenances including hoses and pipes. About 50 wells and piezometers will be abandoned according to the SF City requirements.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 12/10/2009

Comments: Except for a few wells, groundwater monitoring data indicates VOC

concentrations are consistent with the historical data.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/03/2009

Comments: RP is revising the SMP document.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 12/10/2009

Comments: Report found Enhance Reductive Dechlorination to be more effective in

reducing TCE and PCE concentrations than In-situ Chemical Oxidation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/26/2009

Comments: Building demolition is on-going. Consultant addressing DTSC's

comments on the RAP.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Remedial Action Completion Report

Completed Date: 04/22/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/29/2009

Comments: Waiting for the GWM Reports and Remedial Design Implementation Plan.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Plan

Completed Date: 02/20/2013 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Site Characterization Workplan

Completed Date: 10/26/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

# SCHLAGE LOCK COMPANY (Continued)

Comments:

S102008385

**EDR ID Number** 

Completed Date: 03/18/2010

Comments: GWM Report indicates VOC data within historical trend.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Not reported

Completed Date: 03/18/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 11/25/2009

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 02/24/2010

Comments: Findings indicate that Cd detection is associated with the bricks

found at the site. Also, TPH contaminated soil will be removed and

stockpiled to get the grading on the way.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Well Decommissioning Report

Completed Date: 02/26/2010

Comments: The Well Destruction Completion Report is for the following multiport

wells SW-02, SW-06, SW-10 and SW-12; and other wells (LF-11A and W-5)

and piezometers (PZ-3UA and PZ-3LA).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/28/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Completed Date: 01/07/2010
Comments: PROJECT WIDE
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/25/2010

Comments: Groundwater injection is on-going.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 03/11/2010

Comments: The work notice is for the excavation and treatment of app. 17,000

cubic yards of soil with volatile organic compounds (VOCs).

Completed Area Name: PROJECT WIDE

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

## SCHLAGE LOCK COMPANY (Continued)

S102008385

**EDR ID Number** 

Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 03/30/2010

Comments: Report indicates that VOC groundwater data is generally within

historical trend.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 07/23/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 10/27/2010

Comments: Groundwater monitoring results show dechlorination occurring more

effectively in some areas while less effectively in other areas. To help enhance the reductive dechlorination, deoxygenized water and

bugs were added.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

12/07/2010

Completed Date:

Comments: Groundwater monitoring results show dechlorination occuring more effectively in some areas while less effectively in other areas.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 06/06/2011 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 07/12/2011 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 08/25/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 11/10/2011 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 02/24/2012 Comments: Not reported

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

# SCHLAGE LOCK COMPANY (Continued)

S102008385

**EDR ID Number** 

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/30/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/10/2010

Comments: VOC excavation is continuing. RAP implementation is on schedule.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/13/2010

Comments: VOC excavation is continuing. Soil gas sampling will begin May 17,

2010. RAP implementation is on schedule.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/22/2010

Comments: DTSC approves a no further action removal for Areas 1 and 2 for the

TPH contamination with a land use restriction imposed on Area 2.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/17/2010

Comments: Soil gas sampling completed on May 20, 2010 on the Sch OU, north of

Visitacion Avenue. Completed excavation of soil contaminated with volatile organic compounds (VOCs) east of Plant 3/3X. Also, completed backfill of excavation. Additional excavation may be

necessary on the southern portion of Schlage Lock.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/19/2010

Comments: Based on the most recent data, additional soil gas and total

petroleum hydrocarbon (TPH) investigation will be conducted in the

areas, north of Visitacion Avenue.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 07/22/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Site Characterization Workplan

Completed Date: 07/30/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance

Distance (ft.)Site Database(s) EPA ID Number

#### SCHLAGE LOCK COMPANY (Continued)

Completed Sub Area Name: Not reported

Completed Document Type: Site Characterization Workplan

Completed Date: 07/30/2010

Comments: Workplan includes collecting soil gas samples and grab groundwater

sample at impacted area.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 08/12/2010

Comments: Modifications include deoxygenation of water used in the injection of

vegetable oil into groundwater and adjustment of injection boring

locations.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/25/2010

Comments: Additional investigation of chlorinated volatile organic compounds

(VOCs) and total petroleum hydrocarbon (TPH) were completed during

the first week of August. Injection of emulsified vegetable oil into

groundwater began August 16th.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Remedial Design - Preliminary/Intermediate

Completed Date: 07/18/2011 Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 09/23/2010

Comments: The field activity will include the excavation and treatment of

20,000 cubic yards.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/29/2010

Comments: Follow-up testing for soil gas in the northern portion of Visitacion

Valley and areas previously covered with concrete slabs found VOCs above cleanup levels. Consequently, additional excavation and treatment of soil will be conducted during the month of October.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan

Completed Date: 10/05/2010

Comments: The approval was for a excavation and treatment activities for

approx. 20,000 cubic yards of VOC impacted soil.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 11/03/2010

Comments: The addendum workplan consists of proposed injection of Edible

**EDR ID Number** 

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

# SCHLAGE LOCK COMPANY (Continued)

Completed Date:

S102008385

**EDR ID Number** 

Vegetable Oil (EVO) with ERD into groundwater in the San Mateo County portion of the site for the purpose of breaking down the chlorinated VOC compounds into less toxic compounds.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report

Comments: Excavation was completed at the northern portion of the site. Soil

gas sampling to be conducted in mid-December to confirm cleanup. ERD

injection into groundwater for the Brisbane portion of the site

starts during the week of Dec. 6.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/28/2010

Comments: The plan to conduct additional soil gas sampling is postponed until

January 2011.

11/24/2010

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan

Completed Date: 01/21/2011

Comments: Workplan provides sampling locations for soil gas sampling both in

the north and south portions of Visitacion Avenue.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/31/2011

Comments: Oil vegetable injection on the Brisbane portion of the site was

completed on Dec. 22, 2010. Phase 2 soil gas sampling is currently

going on.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 04/22/2011

Comments: DTSC approved a ground water monitoring plan that includes regular gw

sampling of contaminants and gw elevation reading.

Completed Area Name: Soil Hot Spot
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan

Completed Date: 06/17/2011 Comments: Not reported

Completed Area Name: Soil Hot Spot
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 06/07/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

## SCHLAGE LOCK COMPANY (Continued)

S102008385

**EDR ID Number** 

Completed Date: 06/10/2011 Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/23/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/21/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: \*Correspondence - Received

Completed Date: 06/23/2011 Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan

Completed Date: 07/13/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/13/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: \*Correspondence - Received

Completed Date: 07/28/2011 Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/11/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 05/23/2012 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 07/02/2013
Comments: Not reported

Distance (ft.)Site Database(s) EPA ID Number

## SCHLAGE LOCK COMPANY (Continued)

S102008385

**EDR ID Number** 

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 07/09/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 08/29/2012 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 08/26/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 10/29/2012 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 12/18/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 03/20/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 03/13/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/15/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/14/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report

Distance (ft.)Site Database(s) EPA ID Number

## SCHLAGE LOCK COMPANY (Continued)

Comments:

Completed Date:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/15/2011
Comments: Not reported

11/15/2011

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/20/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/24/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/22/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/25/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/15/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/15/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: O7/13/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: \*Correspondence - Received

Completed Date: 08/19/2011
Comments: Not reported

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S102008385

**EDR ID Number** 

Distance (ft.)Site Database(s) EPA ID Number

# SCHLAGE LOCK COMPANY (Continued)

S102008385

**EDR ID Number** 

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/19/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/09/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/21/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
04/05/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 05/15/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/15/2012
Comments: .

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/15/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/17/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/19/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report

Distance (ft.)Site Database(s) EPA ID Number

### SCHLAGE LOCK COMPANY (Continued)

S102008385

**EDR ID Number** 

Completed Date: 11/16/2012 Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/17/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/25/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/19/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/20/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/12/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/16/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/19/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: O7/16/2013
Comments: PROJECT WIDE
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/29/2012
Comments: Not reported

Distance (ft.)Site Database(s) EPA ID Number

### SCHLAGE LOCK COMPANY (Continued)

S102008385

**EDR ID Number** 

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Well Completion Report

Completed Date: 10/29/2012 Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
08/29/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 08/31/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/24/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/02/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 07/17/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
08/26/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/23/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/13/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report

Distance (ft.)Site Database(s) EPA ID Number

# SCHLAGE LOCK COMPANY (Continued)

Completed Date:

Comments:

10/18/2013 Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/25/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/17/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/16/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/28/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/12/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/22/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/26/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Of/26/2014
Comments: PROJECT WIDE
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/21/2014
Comments: Not reported

**EDR ID Number** 

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

## SCHLAGE LOCK COMPANY (Continued)

S102008385

**EDR ID Number** 

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/18/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/19/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Plan

Completed Date: 01/16/2014
Comments: Not reported

Future Area Name: PROJECT WIDE Future Sub Area Name: Not reported

Future Document Type: Operations and Maintenance Report

Future Due Date: 2015

Future Area Name: PROJECT WIDE Future Sub Area Name: Not reported

Future Document Type: Operations and Maintenance Report

Future Due Date: 2015
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported

Future Document Type: Operations and Maintenance Report

Future Due Date: 2016

Future Area Name: PROJECT WIDE Future Sub Area Name: Not reported

Future Document Type: Operations and Maintenance Report

Future Due Date: 2016

Future Area Name: PROJECT WIDE Future Sub Area Name: Not reported

Future Document Type: 5 Year Review Reports

Future Due Date: 2016

Future Area Name: UPC OU-1 north of Sunnydale

Future Sub Area Name: Not reported

Future Document Type: Operations and Maintenance Plan

Future Due Date: 2015

Future Area Name: PROJECT WIDE Future Sub Area Name: Not reported

Future Document Type: Operations and Maintenance Report

Future Due Date: 2017

Future Area Name: PROJECT WIDE Future Sub Area Name: Not reported

Future Document Type: Operations and Maintenance Report

Future Due Date: 2016

Future Area Name: PROJECT WIDE Future Sub Area Name: Not reported

Future Document Type: Operations and Maintenance Report

Future Due Date: 2016

Future Area Name: PROJECT WIDE Future Sub Area Name: Not reported

Future Document Type: Operations and Maintenance Report

Map ID
Direction
Distance

Distance (ft.)Site Database(s) EPA ID Number

# SCHLAGE LOCK COMPANY (Continued)

S102008385

**EDR ID Number** 

Future Due Date: 2017

Future Area Name: UPC OU-1 north of Sunnydale

Future Sub Area Name: Not reported Future Document Type: Certification Future Due Date: 2015

Future Area Name: UPC OU-1 north of Sunnydale

Future Sub Area Name: Not reported
Future Document Type: Land Use Restriction

Future Due Date: 2015

Schedule Area Name: UPC OU-1 north of Sunnydale

Schedule Sub Area Name: Not reported

Schedule Document Type: Remedial Action Completion Report

Schedule Due Date: 06/15/2015
Schedule Revised Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported

Schedule Document Type: Operations and Maintenance Report

Schedule Due Date: 11/12/2014
Schedule Revised Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported

Schedule Document Type: Operations and Maintenance Report

Schedule Due Date: 02/12/2015
Schedule Revised Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported

Schedule Document Type: Operations and Maintenance Report

Schedule Due Date: 05/15/2015 Schedule Revised Date: Not reported

Schedule Area Name: UPC OU-1 north of Sunnydale

Schedule Sub Area Name: Not reported

Schedule Document Type: Design/Implementation Workplan

Schedule Due Date: 11/01/2014
Schedule Revised Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported

Schedule Document Type: Preliminary Endangerment Assessment Report

Schedule Due Date: 02/15/2015 Schedule Revised Date: Not reported

### **ENVIROSTOR:**

 Facility ID:
 38340157

 Status:
 Active

 Status Date:
 04/30/1994

 Site Code:
 201789

 Site Type:
 State Response

Site Type: State Response
Site Type Detailed: State Response or NPL

Acres: 15.4
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP

Program Manager: Charles (Chip) Gribble

Supervisor: Denise Tsuji
Division Branch: Cleanup Berkeley

Assembly: 17 Senate: 11

Special Program: Not reported

Distance (ft.)Site Database(s) EPA ID Number

# SCHLAGE LOCK COMPANY (Continued)

S102008385

**EDR ID Number** 

Restricted Use: YES

Site Mgmt Req: NONE SPECIFIED Funding: Responsible Party Latitude: 37.71056 Longitude: -122.4031

APN: 5087-003, 5087-003A, 5087-004, 5087003, 5087003A, 5099-014, 5099014,

5100-002, 5100-003, 5100-010, 5100002, 5100003, 5100010, 5101-007,

5101007

Past Use: DEGREASING FACILITY, METAL FINISHING
Potential COC: Tetrachloroethylene (PCE 1,1,1-Trichloroethane (TCA

Trichloroethylene (TCE Vinyl chloride Chloroform 1,2-Dichloroethylene

(cis 1,2-Dichloroethylene (trans

Confirmed COC: Tetrachloroethylene (PCE 1,1,1-Trichloroethane (TCA

Trichloroethylene (TCE Vinyl chloride Chloroform 1,2-Dichloroethylene

(cis 1,2-Dichloroethylene (trans

Potential Description: IA, OTH, SOIL, SV
Alias Name: 5087-003
Alias Type: Alternate Name

Alias Name: INGERSOLL-RAND CORP

Alias Type: Alternate Name

Alias Name: PACIFIC LITHOGRAPH COMPANY

Alias Type: Alternate Name
Alias Name: SCHLAGE LOCK CO.

Alias Type: Alternate Name

Alias Name: SCHLAGE/PACIFIC LITH

Alias Type: Alternate Name

Alias Name: TOUCH-PLATE INTERNATIONAL

5100-003

Alias Type: Alternate Name Alias Name: 5087-003 APN Alias Type: Alias Name: 5087-003A Alias Type: APN Alias Name: 5087-004 Alias Type: APN Alias Name: 5087003 Alias Type: APN Alias Name: 5087003A Alias Type: APN Alias Name: 5099-014 Alias Type: APN Alias Name: 5099014 Alias Type: APN Alias Name: 5100-002 Alias Type: APN

Alias Type: APN Alias Name: 5100-010 Alias Type: APN Alias Name: 5100002 Alias Type: APN Alias Name: 5100003 Alias Type: APN Alias Name: 5100010 Alias Type: APN Alias Name: 5101-007 APN Alias Type: Alias Name: 5101007

Alias Name:

Distance (ft.)Site Database(s) EPA ID Number

## SCHLAGE LOCK COMPANY (Continued)

APN

Alias Name: CAD009111212

Alias Type: EPA Identification Number

 Alias Name:
 110000770764

 Alias Type:
 EPA (FRS #)

 Alias Name:
 110033610055

 Alias Type:
 EPA (FRS #)

 Alias Name:
 200454

Alias Type: Site Code - Historical

Alias Name: 201789

Alias Type: Project Code (Site Code)

Alias Name: 38340157

Alias Type: Envirostor ID Number

Completed Info:

Alias Type:

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Remedial Action Plan Amendment

Completed Date: 11/12/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 11/15/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 11/15/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Soils Management Plan

Completed Date: 06/06/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/16/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: \* Discovery
Completed Date: 10/30/1981
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: CEQA - Initial Study/ Neg. Declaration

Completed Date: 01/23/1998

Comments: NEG Dec for soil RAW

Completed Area Name: PROJECT WIDE

**EDR ID Number** 

Map ID
Direction
EDR ID Number
Distance

Distance (ft.)Site Database(s) EPA ID Number

#### SCHLAGE LOCK COMPANY (Continued)

Completed Sub Area Name: Not reported

Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)

Completed Date: 01/30/1996

Comments: Rescinded Order. I&SE 94/95-007 was rescinded.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Amendment - Order/Agreement

Completed Date: 01/25/1996

Comments: An Amendment to the Order was issued to remove Pacific Lithograph as

one of the RPs due to its bankruptcy filing and acquisition of Plant 3 by Schlage Lock and to incorporate by reference requirements of

I&SE 94/95-007 into I&SE 94/95-003.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: CEQA - Initial Study/ Neg. Declaration

Completed Date: 11/22/1995

Comments: Cost Recovery. Approved RAW to excavate soil contaminated with VOCs

in the former strip and degreasing room of Plant 3. A Negative

Declaration was adopted for this project.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Amendment - Order/Agreement

Completed Date: 06/22/1995

Comments: Amended Order. The Order was once again amended to name Schlage Lock

and Southern Pacific, as responsible parties, for being the past owners of Plant 3 and Schglage Lock operating in Plant 3.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Amendment - Order/Agreement

Completed Date: 03/01/1995

Comments: Issued Amended Order to additional RPs to require them to conduct a

remedial investigation and treatability studies on the Schlage Lock,

Pacific Lithograph and the Norton Trust properties.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)

Completed Date: 01/26/1995

Comments: Issued Order to Pacific Lithograph. DTSC issued an Order solely to

Pacific Lithograph to require the company to remediate the contaminated soil in the sump area and solvent room of Plant 3.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)

Completed Date: 09/08/1994

Comments: Issued I&SE Order. An Imminent and Subtanstial Endangerment

Determination and Remedial Action Order (Order) was issued to Responsible Parties (RPs) to conduct further investigation and remediation at the Pacific Lithograph property or Plant 3 of the

former Schlage Lock Property.

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance

Distance (ft.)Site Database(s) EPA ID Number

### SCHLAGE LOCK COMPANY (Continued)

Completed Sub Area Name: Not reported Completed Document Type: Consent Order Completed Date: 05/22/2008

Comments: Consent Order with Universal Paragon and BP PLT-I, LLC for the

cleanup of the Schhlage Lock OU.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)

Completed Date: 07/18/2006 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: CEQA - Responsible Agency Review

Completed Date: 11/16/2009

Comments: Addendum approved which clarifies the difference between the original

EIR and the Remedial Action Plan

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Annual Oversight Cost Estimate

Completed Date: 10/13/2009

Comments: The estimated annual oversight cost is \$72,000.00 for the fiscal year

2009/2010.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/04/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Annual Oversight Cost Estimate

Completed Date: 10/13/2009
Comments: Not reported

Completed Area Name: Schlage OU
Completed Sub Area Name: Northern Portion
Completed Document Type: Land Use Restriction

Completed Date: 06/27/2014 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Annual Oversight Cost Estimate

Completed Date: 09/22/2011 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Annual Oversight Cost Estimate

Completed Date: 11/09/2012 Comments: Not reported

Completed Area Name: PROJECT WIDE

**EDR ID Number** 

Map ID
Direction
EDR ID Number
Distance

Distance (ft.)Site Database(s) EPA ID Number

## SCHLAGE LOCK COMPANY (Continued)

Completed Sub Area Name: Not reported

Completed Document Type: Annual Oversight Cost Estimate

Completed Date: 09/20/2013 Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 06/27/2012
Comments: Not reported

Completed Area Name: Schlage OU
Completed Sub Area Name: Not reported

Completed Document Type: Operation & Maintenance Order/Agreement

Completed Date: 06/26/2014
Comments: Not reported

Completed Area Name: Schlage OU
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/27/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/12/2014
Comments: Not reported

Completed Area Name: Schlage OU
Completed Sub Area Name: Southern Portion
Completed Document Type: Land Use Restriction

Completed Date: 06/27/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Plan

Completed Date: 04/27/2000

Comments: Approved O&M Plan. An Operation and Maintenance Plan for the soil

vapor extraction treatment system was approved.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Removal Action Workplan

Completed Date: 01/23/1998

Comments: The RAW was approved on January 23, 1998, and not January 23, 1997,

as the letter indicates. A soil vapor extraction treatment system

was proposed as an alternative which DTSC approved. CEQA Negative

Declaration for the project was adopted.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Removal Action Completion Report

Completed Date: 12/10/1999

Comments: Completed RA. The start-up of the soil vapor extraction treatment

system was conducted and a Report approved by DTSC.

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

#### SCHLAGE LOCK COMPANY (Continued)

S102008385

**EDR ID Number** 

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Removal Action Completion Report

Completed Date: 11/13/1996

Comments: Completed RA. Implementation of the soil removal action in the former

strip and degreasing rooms of Plant 3, including the removal of

sumps. Additional remediation was recommended to remove remaining

VOCs in soil.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Remedial Investigation / Feasibility Study

Completed Date: 12/04/1997

Comments: Approved RIFS. Investigations conducted at the site detected the

presence of volatile organic compounds primarily trichloroethylene (TCE) and perchloroethylene (PCE) in both soil and groundwater.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Removal Action Workplan

Completed Date: 11/22/1995

Comments: Approved a Removal Action Workplan (RAW). The RAW required soil

removal in the former strip and degreasing rooms of Plant 3,

including the removal of sumps.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Preliminary Endangerment Assessment Report

Completed Date: 11/15/1994

Comments: Completed PEA. A Preliminary Endangerment Assessment (PEA) Report

was approved by DTSC. It contains results of investigations

conducted both in soil and groundwater south of building 2X. The PEA Report findings indicate the presence of elevated soil concentrations of perchloroethylene (PCE) and trichloroethylene (TCE) in the former strip and degreasing rooms of Plant 3. Pacific Lithograph used these rooms in its operations. Low levels of metals were detected in soil. Groundwater results also show elevated concentrations of PCE and TCE

especially in the strip and degreasing area.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 09/23/1993

Comments: Completed SS. DTSC was notified that soil contaminated with volatile

organic compounds (VOCs) had been discovered on the former Pacific

Lithograph Company.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Remedial Investigation Report

Completed Date: 09/28/2001

Comments: DTSC approved the Remedial Investigation Report for the Soil Operable

Unit.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Map ID
Direction
EDR ID Number
Distance

Distance (ft.)Site Database(s) EPA ID Number

### SCHLAGE LOCK COMPANY (Continued)

Completed Date:

07/25/2006

Comments: No comments were made.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 11/08/2006

Comments: DTSC approved report

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 04/13/2007

Comments: DTSC has no comments.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 02/07/2008

Comments: SVE Report indicates results are consistent with VOCs historical

trend.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 05/18/2006

Comments: Minor corrections were made to the GWM Report.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 08/17/2006 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 10/12/2006

Comments: DTSC has no comments.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 12/13/2006

Comments: The report indicates that groundwater concentrations are generally

stable.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 08/27/2007

Comments: Schlage Lock addressed VOC concentration increases in a couple of

wells.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Remedial Investigation Report

Map ID Direction Distance Distance (ft.)Site

vistance
vistance (ft.)Site
Database(s) EPA ID Number

## SCHLAGE LOCK COMPANY (Continued)

S102008385

**EDR ID Number** 

Completed Date: 10/18/2002

Comments: The RI Report indicated that the chemicals of concern at the Site are

chlorinated volatile organic compounds, primarily perchloroethylene

and trichloroethylene. The Report also identified three

water-bearing zones at the site, the A-Fill, A-Sand and B-Sand.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Risk Assessment Report

Completed Date: 05/14/2003

Comments: The Report indicated that there is a potential for human health

exposure for future land use via ingestion of chemicals in groundwater, dermal contact with chemicals in groundwater and inhalation of chemical vapors migrating from groundwater.

Groundwater ingestion and long-term groundwater contact are however

highly unlikely.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 02/01/2002

Comments: Public Notice of Availability of the Remedial Investigation Report

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Risk Assessment Report

Completed Date: 11/08/2006

Comments: Using previous data, the Report for the site wide risk

characterization and the southern area subset indicated that there is a potential for human health exposure for workers and residents. subset indicated that there is a potential human health exposure for

workers and residents

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Risk Assessment Report

Completed Date: 01/24/2003

Comments: Approved the Human Health Risk Assessment (HHRA)for the Soil Operable

Unit. The HHRA conducted for both the site wide and the southern area subset indicates that the estimated risks exceeded the acceptable health risk level for future multiple land uses.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Risk Assessment Report

Completed Date: 10/15/1996

Comments: The Baseline Risk Assessment was approved on October 15, 1996. The

Risk Assessment indicates that the estimated non-canceer risk for on-site indoor maintenance worker exceeded the acceptable health risk

level using industrial land use scenario.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/02/2007

Comments: DTSC has no comments.

Map ID
Direction
EDR ID Number
Distance

Distance (ft.)Site Database(s) EPA ID Number

# SCHLAGE LOCK COMPANY (Continued)

S102008385

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 11/04/2003

Comments: This document was the 2nd update of the Original Participation Plan

completed in 1995. The first update was in April 2000.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Public Participation Plan / Community Relations Plan

Completed Date: 04/30/2000

Comments: This is an update of the Original Plan completed in 1995.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
O4/07/1989

Comments: DTSC approved the Community Relations Plan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile

Completed Date: 07/13/1995

Comments: DTSC approved the Public Participation Plan.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 06/01/2007 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Long Term Monitoring Report

Completed Date: 02/11/2008

Comments: Findings consistent with historical VOC trend.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Long Term Monitoring Report

Completed Date: 05/19/2008 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Long Term Monitoring Report

Completed Date: 05/06/2008

Comments: Report indicates soil vapor concentrations generally in a decreasing

trend.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Long Term Monitoring Report

Completed Date: 06/30/2008

Comments: Groundwater concentrations remain within historic ranges.

Completed Area Name: PROJECT WIDE

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

## SCHLAGE LOCK COMPANY (Continued)

S102008385

**EDR ID Number** 

Completed Sub Area Name: Not reported

Completed Document Type: Long Term Monitoring Report

Completed Date: 11/25/2008

Comments: Report indicates data within historical trend.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Long Term Monitoring Report

Completed Date: 04/06/2009 Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan

Completed Date: 11/16/2009

Comments: The FS/RAP was approved on Nov. 16, 2009. The soil remediation

consists of treating of approximately 15,000 cubic yards of soil contaminated with VOCs by aeration and capping of approximately 22,000 cubic yards of soil contaminated with metals at the UPC SF OU Property. The groundwater will be treated through an Enhanced Reductive Dechlorination (ERD) process using sodium lactate. Sodium lactate is a food grade substance that will be injected into the

groundwater to help the micro-organisms present in the soil and groundwater break down the VOCs into non-toxic compounds. Land Use Controls will also be imposed at the site and a soil management plan

will be required when there is a plan to excavate or disturb contaminated soil. Operation and Maintenance of the cap and the groundwater monitoring systems will be required. Also, routine groundwater monitoring will be required until the groundwater cleanup standards (MCLs) are met. The RAP provides for the off-site disposal of 6,000 cubic yards of contaminated soil with VOCs, if necessary.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Design/Implementation Workplan

Completed Date: 01/06/2010

Comments: The Remedial Design Implementation Plan (RDIP) provided details for

injecting emulsified vegetable oil (EVO) into groundwater and excavating and treating approximately 15,000 cubic yards of VOC

contaminated soil.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Remedial Action Completion Report

Completed Date: 05/02/2011

Comments: Completion Report describes remediation conducted in soil with

volatile organic compounds in the northern portion of Visitacion Avenue (Phase I). Soil gas data indicates that the health risk estimates is within the acceptable health risk range for the proposed

development of the property.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 04/30/2011
Comments: Not reported

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

### SCHLAGE LOCK COMPANY (Continued)

S102008385

**EDR ID Number** 

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Pilot Study/Treatability Workplan

Completed Date: 07/18/2008

Comments: Treatbility study and data gap investigation workplan and associated

Sampling and Analysis Plan and Quality Assurance Project Plan approved. Pilot studies will be conducted to help determine the most effective method to clean up VOCs in the site soil and groundwater. Soil sampling will be conducted in several areas to better define the extent of soil contamination. The Groundwater Extraction and Treatment System will be turned off as part of this process.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 05/08/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/14/2008

Comments: Schedule is on track including the submittal and approval of Data Gap

Investigation and Treatability Study Workplan, Sampling Plan and Quality Assurance Project Plan (QAPP) which were completed in July

2008.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 09/10/2009

Comments: The Fact Sheet is for the Final Dr. FS/RAP for the Sch OU and the SF

County portion of the UPC OU-1 site. The public comment period is

from Sept. 10 to Oct. 13, 2009.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 09/10/2009

Comments: The Public Notice is for the comment period of the dr FS/RAP for the

Sch OU and the SF County portion of the UPC OU1 site.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Public Participation Plan / Community Relations Plan

Completed Date: 04/30/2009

Comments: The most recent update of a Public Participation Plan for the Schlage

Lock Site in Visitacion Valley, San Francisco, CA. This document reviews community interest, views, and concerns related to the investigation and cleanup activities at the Site while identifying effective public participation activities. The community surrounding the site is extremely varied. Through surveys and individual interviews residents expressed their major concerns which include: dust in an area known for its unpredictable winds; traffic and safety in an area that is already impacted by heavy truck traffic; health impacts and levels of contamination; and the length of time the investigation, clean up, and development are taking. The biggest

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

#### SCHLAGE LOCK COMPANY (Continued)

S102008385

**EDR ID Number** 

concern was that a high level of consistent, understandable information be available to the community. This Public Participation Plan update proposes a multi-pronged outreach involving existing meetings and CBO?s to reach out to residents in their everyday activities and in language they understand.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 09/25/2008

Comments: DTSC has approved the decommisioning of the soil vapor extraction

system.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/29/2008

Comments: The schedule is on track. The Pilot Study fieldwork is on-going.

DTSC approved the Soil Vapor Extraction Decommissioning Plan on

9/26/2008.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/22/2008

Comments: Schedule is on track. The pilot study fieldwork is on-going.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/22/2008

Comments: Schedule is on track. Fieldwork is on-going in the implementation of

the approved Pilot Study for Enhanced Reductive Dechlorination (ERD)

and In-Situ Chemical Oxidation (ISCO).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/21/2008

Comments: Additional ERD injection was necessary in November based on the

monitoring results.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Well Decommissioning Workplan

Completed Date: 12/11/2008

Comments: The Workplan describes the procedures to decommission 7 groundwater

monitoring wells located inside the building.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/10/2008

Comments: The proposed modification includes omitting microcosm testing in

certain wells: MEC-12LA, SW-05UA and SW-05LA; and post-injection soil

samples at the ISCO treatment areas.

Map ID
Direction
Distance

Distance (ft.)Site Database(s) EPA ID Number

# SCHLAGE LOCK COMPANY (Continued)

S102008385

**EDR ID Number** 

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/23/2008

Comments: Further evaluation of the ERD pilot study needed. Additional

injection and/or monitoring may be necessary.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/26/2009

Comments: Further evaluation of the ERD pilot study needed. RAP document is

being prepared.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/26/2009

Comments: Further evaluation of the ERD pilot study needed. RAP document is

being prepared.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/25/2009

Comments: The Interim Soil Management Plan and the Air and Dust Monitoring Plans will be implemented during the removal of the building pads.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Well Decommissioning Report

Completed Date: 05/07/2009

Comments: In preparation for the building demolition and site remediation, the

soil vapor extraction treatment system was decommissioned. A total of 53 extraction and monitoring wells were abandoned. Aproximately, 3,833 pounds of volatile organic compounds were removed by the soil

vapor extraction system.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/28/2009

Comments: The Soil Management, Air Monitoring and Dust Monitoring Plans were

submitted on April 17, 2009. The Dr. RAP will be submitted on May 1,

2009.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Well Decommissioning Workplan

Completed Date: 09/23/2008

Comments: The plan proposes removing equipment (blower and carbon unit) and appurtenances including hoses and pipes. About 50 wells and

piezometers will be abandoned according to the SF City requirements.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Map ID
Direction
EDR ID Number
Distance

Distance (ft.)Site Database(s) EPA ID Number

#### SCHLAGE LOCK COMPANY (Continued)

Completed Date: 12/10/2009

Comments: Except for a few wells, groundwater monitoring data indicates VOC

concentrations are consistent with the historical data.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/03/2009

Comments: RP is revising the SMP document.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 12/10/2009

Comments: Report found Enhance Reductive Dechlorination to be more effective in

reducing TCE and PCE concentrations than In-situ Chemical Oxidation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/26/2009

Comments: Building demolition is on-going. Consultant addressing DTSC's

comments on the RAP.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Remedial Action Completion Report

Completed Date: 04/22/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/29/2009

Comments: Waiting for the GWM Reports and Remedial Design Implementation Plan.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Plan

Completed Date: 02/20/2013 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Site Characterization Workplan

Completed Date: 10/26/2009 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 03/18/2010

Comments: GWM Report indicates VOC data within historical trend.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

## SCHLAGE LOCK COMPANY (Continued)

S102008385

**EDR ID Number** 

Completed Date: 03/18/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
11/25/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 02/24/2010

Comments: Findings indicate that Cd detection is associated with the bricks

found at the site. Also, TPH contaminated soil will be removed and

stockpiled to get the grading on the way.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Well Decommissioning Report

Completed Date: 02/26/2010

Comments: The Well Destruction Completion Report is for the following multiport

wells SW-02, SW-06, SW-10 and SW-12; and other wells (LF-11A and W-5)

and piezometers (PZ-3UA and PZ-3LA).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/28/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 01/07/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/25/2010

Comments: Groundwater injection is on-going.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 03/11/2010

Comments: The work notice is for the excavation and treatment of app. 17,000

cubic yards of soil with volatile organic compounds (VOCs).

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 03/30/2010

Comments: Report indicates that VOC groundwater data is generally within

historical trend.

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

## SCHLAGE LOCK COMPANY (Continued)

S102008385

**EDR ID Number** 

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 07/23/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 10/27/2010

Comments: Groundwater monitoring results show dechlorination occuring more

effectively in some areas while less effectively in other areas. To help enhance the reductive dechlorination, deoxygenized water and

bugs were added.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 12/07/2010

Comments: Groundwater monitoring results show dechlorination occuring more

effectively in some areas while less effectively in other areas.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 06/06/2011 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 07/12/2011 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 08/25/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 11/10/2011 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 02/24/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/30/2010
Comments: Not reported

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

# SCHLAGE LOCK COMPANY (Continued)

S102008385

**EDR ID Number** 

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/10/2010

Comments: VOC excavation is continuing. RAP implementation is on schedule.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/13/2010

Comments: VOC excavation is continuing. Soil gas sampling will begin May 17,

2010. RAP implementation is on schedule.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/22/2010

Comments: DTSC approves a no further action removal for Areas 1 and 2 for the

TPH contamination with a land use restriction imposed on Area 2.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/17/2010

Comments: Soil gas sampling completed on May 20, 2010 on the Sch OU, north of

Visitacion Avenue. Completed excavation of soil contaminated with volatile organic compounds (VOCs) east of Plant 3/3X. Also, completed backfill of excavation. Additional excavation may be

necessary on the southern portion of Schlage Lock.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/19/2010

Comments: Based on the most recent data, additional soil gas and total

petroleum hydrocarbon (TPH) investigation will be conducted in the

areas, north of Visitacion Avenue.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 07/22/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Site Characterization Workplan

Completed Date: 07/30/2010 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Site Characterization Workplan

Completed Date: 07/30/2010

Comments: Workplan includes collecting soil gas samples and grab groundwater

sample at impacted area.

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

# SCHLAGE LOCK COMPANY (Continued)

S102008385

**EDR ID Number** 

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 08/12/2010

Comments: Modifications include deoxygenation of water used in the injection of

vegetable oil into groundwater and adjustment of injection boring

locations.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/25/2010

Comments: Additional investigation of chlorinated volatile organic compounds

(VOCs) and total petroleum hydrocarbon (TPH) were completed during the first week of August. Injection of emulsified vegetable oil into

groundwater began August 16th.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Remedial Design - Preliminary/Intermediate

Completed Date: 07/18/2011 Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 09/23/2010

Comments: The field activity will include the excavation and treatment of

20,000 cubic yards.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/29/2010

Comments: Follow-up testing for soil gas in the northern portion of Visitacion

Valley and areas previously covered with concrete slabs found VOCs above cleanup levels. Consequently, additional excavation and treatment of soil will be conducted during the month of October.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
10/05/2010

Comments: The approval was for a excavation and treatment activities for

approx. 20,000 cubic yards of VOC impacted soil.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan

Completed Date: 11/03/2010

Comments: The addendum workplan consists of proposed injection of Edible Vegetable Oil (EVO) with ERD into groundwater in the San Mateo County

portion of the site for the purpose of breaking down the chlorinated

VOC compounds into less toxic compounds.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

### SCHLAGE LOCK COMPANY (Continued)

S102008385

**EDR ID Number** 

Completed Document Type: Other Report Completed Date: 11/24/2010

Comments: Excavation was completed at the northern portion of the site. Soil

gas sampling to be conducted in mid-December to confirm cleanup. ERD

injection into groundwater for the Brisbane portion of the site

starts during the week of Dec. 6.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/28/2010

Comments: The plan to conduct additional soil gas sampling is postponed until

January 2011.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan

Completed Date: 01/21/2011

Comments: Workplan provides sampling locations for soil gas sampling both in

the north and south portions of Visitacion Avenue.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/31/2011

Comments: Oil vegetable injection on the Brisbane portion of the site was

completed on Dec. 22, 2010. Phase 2 soil gas sampling is currently

going on.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 04/22/2011

Comments: DTSC approved a ground water monitoring plan that includes regular gw

sampling of contaminants and gw elevation reading.

Completed Area Name: Soil Hot Spot
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan

Completed Date: 06/17/2011 Comments: Not reported

Completed Area Name: Soil Hot Spot
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 06/07/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/10/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

## SCHLAGE LOCK COMPANY (Continued)

S102008385

**EDR ID Number** 

Completed Date: 06/23/2011 Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/21/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: \*Correspondence - Received

Completed Date: 06/23/2011 Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan

Completed Date: 07/13/2011 Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/13/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: \*Correspondence - Received

Completed Date: 07/28/2011 Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/11/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 05/23/2012 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 07/02/2013 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 07/09/2014
Comments: Not reported

Distance (ft.)Site Database(s) EPA ID Number

# SCHLAGE LOCK COMPANY (Continued)

S102008385

**EDR ID Number** 

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 08/29/2012 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 08/26/2013 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 10/29/2012 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 12/18/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 03/20/2013 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 03/13/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Date: 09/15/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/14/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/15/2011

Comments: .

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report

Distance (ft.)Site Database(s) EPA ID Number

# SCHLAGE LOCK COMPANY (Continued)

Completed Date:

Comments:

12/15/2011 Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/20/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/24/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/22/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/25/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/15/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/15/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/13/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: \*Correspondence - Received

Completed Date: 08/19/2011 Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/19/2011
Comments: Not reported

**EDR ID Number** 

S102008385

Distance (ft.)Site Database(s) EPA ID Number

# SCHLAGE LOCK COMPANY (Continued)

S102008385

**EDR ID Number** 

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/09/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/21/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
04/05/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 05/15/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/15/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/17/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
10/19/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/16/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report

Distance (ft.)Site Database(s) EPA ID Number

# SCHLAGE LOCK COMPANY (Continued)

Completed Date:

Comments:

12/17/2012 Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/25/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/19/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/20/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/12/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/16/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/19/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/16/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/29/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Well Completion Report

Completed Date: 10/29/2012 Comments: Not reported **EDR ID Number** 

S102008385

Distance (ft.)Site Database(s) EPA ID Number

#### SCHLAGE LOCK COMPANY (Continued)

S102008385

**EDR ID Number** 

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
08/29/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 08/31/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/24/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/02/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 07/17/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
08/26/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/23/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/13/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
10/18/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report

Distance (ft.)Site Database(s) EPA ID Number

# SCHLAGE LOCK COMPANY (Continued)

Completed Date:

Comments:

11/25/2013 Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/17/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/16/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/28/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/12/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/22/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/26/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/26/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/21/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/18/2014
Comments: Not reported

S102008385

**EDR ID Number** 

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

# SCHLAGE LOCK COMPANY (Continued)

S102008385

**EDR ID Number** 

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/19/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Plan

Completed Date: 01/16/2014 Comments: Not reported

Future Area Name: PROJECT WIDE Future Sub Area Name: Not reported

Future Document Type: Operations and Maintenance Report

Future Due Date: 2015

Future Area Name: PROJECT WIDE Future Sub Area Name: Not reported

Future Document Type: Operations and Maintenance Report

Future Due Date: 2015

Future Area Name: PROJECT WIDE Future Sub Area Name: Not reported

Future Document Type: Operations and Maintenance Report

Future Due Date: 2016
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported

Future Document Type: Operations and Maintenance Report

Future Due Date: 2016

Future Area Name: PROJECT WIDE Future Sub Area Name: Not reported

Future Document Type: 5 Year Review Reports

Future Due Date: 2016

Future Area Name: UPC OU-1 north of Sunnydale

Future Sub Area Name: Not reported

Future Document Type: Operations and Maintenance Plan

Future Due Date: 2015

Future Area Name: PROJECT WIDE Future Sub Area Name: Not reported

Future Document Type: Operations and Maintenance Report

Future Due Date: 2017

Future Area Name: PROJECT WIDE Future Sub Area Name: Not reported

Future Document Type: Operations and Maintenance Report

Future Due Date: 2016

Future Area Name: PROJECT WIDE Future Sub Area Name: Not reported

Future Document Type: Operations and Maintenance Report

Future Due Date: 2016

Future Area Name: PROJECT WIDE Future Sub Area Name: Not reported

Future Document Type: Operations and Maintenance Report

Future Due Date: 2017

Future Area Name: UPC OU-1 north of Sunnydale

Future Sub Area Name: Not reported Future Document Type: Certification Future Due Date: 2015

Future Area Name: UPC OU-1 north of Sunnydale

Distance (ft.)Site Database(s) EPA ID Number

# SCHLAGE LOCK COMPANY (Continued)

S102008385

**EDR ID Number** 

Future Sub Area Name: Not reported
Future Document Type: Land Use Restriction

Future Due Date: 2015

Schedule Area Name: UPC OU-1 north of Sunnydale

Schedule Sub Area Name: Not reported

Schedule Document Type: Remedial Action Completion Report

Schedule Due Date: 06/15/2015
Schedule Revised Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported

Schedule Document Type: Operations and Maintenance Report

Schedule Due Date: 11/12/2014
Schedule Revised Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported

Schedule Document Type: Operations and Maintenance Report

Schedule Due Date: 02/12/2015
Schedule Revised Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported

Schedule Document Type: Operations and Maintenance Report

Schedule Due Date: 05/15/2015 Schedule Revised Date: Not reported

Schedule Area Name: UPC OU-1 north of Sunnydale

Schedule Sub Area Name: Not reported

Schedule Document Type: Design/Implementation Workplan

Schedule Due Date: 11/01/2014
Schedule Revised Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported

Schedule Document Type: Preliminary Endangerment Assessment Report

Schedule Due Date: 02/15/2015 Schedule Revised Date: Not reported

4 FORMER SCHLAGE LOCK FACILITY 2401 BAYSHORE BLVD SAN FRANCISCO, CA 94134 RCRA-SQG 1000276299
FTTS CAD009111212
HIST FTTS
FINDS
CA HIST CORTESE
CA EMI

**CA ENVIROSTOR** 

RCRA-SQG:

Contact:

Date form received by agency: 08/01/2011

Facility name: FORMER SCHLAGE LOCK FACILITY

Facility address: 2401 BAYSHORE BLVD

SAN FRANCISCO, CA 94134

EPA ID: CAD009111212 Mailing address: 475 17TH ST

STE 950

DENVER, CO 80202 JOHN M BALOBECK

Contact address: 1130 BROADWAY STE 1702

OAKLAND, CA 94612

Contact country: US

Contact telephone: 510-628-3234

Contact email: JMBALOBECK@MACTEC.COM

EPA Region: 09

Map ID Direction Distance Distance (ft.)Site

Distance
Distance (ft.)Site Database(s) EPA ID Number

# FORMER SCHLAGE LOCK FACILITY (Continued)

1000276299

**EDR ID Number** 

Land type: Private

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of

hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of

hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: UNIVERSAL PARAGON CORP

Owner/operator address: 150 EXECUTIVE PARK BLVD STE 4200

SAN FRANCISCO, CA 94134

Owner/operator country: US

Owner/operator telephone: Not reported Legal status: Private Owner/Operator Type: Owner Owner/Op start date: 05/30/2008 Owner/Op end date: Not reported

Owner/operator name: BP PLT I LLC Owner/operator address: Not reported

Not reported

Owner/operator country:
Owner/operator telephone:
Legal status:
Owner/Operator Type:
Owner/Op start date:
Owner/Op end date:
Not reported
Not reported
Operator
Operator
Ob/30/2008
Owner/Op end date:
Not reported

#### Handler Activities Summary:

U.S. importer of hazardous waste: Nο Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No 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: Nο 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

#### **Historical Generators:**

Date form received by agency: 04/07/2009

Site name: FORMER SCHLAGE LOCK FACILITY

Classification: Large Quantity Generator

Date form received by agency: 03/04/1999

Site name: SCHLAGE LOCK COMPANY Classification: Large Quantity Generator

Date form received by agency: 09/01/1996

Map ID Direction Distance Distance (ft.)Site

rection EDR ID Number

# FORMER SCHLAGE LOCK FACILITY (Continued)

1000276299

**EPA ID Number** 

Database(s)

Site name: SCHLAGE LOCK CO
Classification: Small Quantity Generator

Date form received by agency: 09/01/1996

Site name: SCHLAGE LOCK CO
Classification: Large Quantity Generator

Date form received by agency: 03/11/1996

Site name: SCHLAGE LOCK COMPANY Classification: Large Quantity Generator

Date form received by agency: 03/31/1994

Site name: SCHLAGE LOCK CO
Classification: Large Quantity Generator

Date form received by agency: 03/02/1992

Site name: SCHLAGE LOCK CO
Classification: Large Quantity Generator

Date form received by agency: 03/27/1990

Site name: SCHLAGE LOCK CO
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980

Site name: SCHLAGE LOCK CO
Classification: Large Quantity Generator

Hazardous Waste Summary:

Waste code: D039

Waste name: TETRACHLOROETHYLENE

Waste code: D040

Waste name: TRICHLOROETHYLENE

Facility Has Received Notices of Violations:

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 03/16/1994

Date achieved compliance: 05/28/1999 State Violation lead agency: Enforcement action: Not reported Enforcement action date: Not reported Not reported Enf. disposition status: Not reported Enf. disp. status date: Enforcement lead agency: Not reported Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 05/28/1999

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Distance (ft.)Site Database(s) **EPA ID Number** 

#### FORMER SCHLAGE LOCK FACILITY (Continued)

1000276299

**EDR ID Number** 

Evaluation date: 03/16/1994

COMPLIANCE EVALUATION INSPECTION ON-SITE Evaluation:

Area of violation: Generators - General

05/28/1999 Date achieved compliance:

Evaluation lead agency: State Contractor/Grantee

FTTS:

Not reported Case Number: 09-90-0006 Docket Number: Complaint Issue Date: 03/05/90 Abatement Amount: 0.0000 Proposed Penalty: 17300.0000 Final Assessment: 7300.0000 Final Order Date: 07/18/91 Close Date: PCB, Use Violations(s):

PCB, Label or Marking

PCB, Failure to Maintain Records

HIST FTTS:

Case Number: Not reported 09-90-0006 Docket Number: Complaint Issue Date: 03/05/1990 Abatement Amount: 0.0000 Proposed Penalty: 17300.0000 Final Assessment: 7300.0000 Final Order Date: 07/18/1991 Close Date: Violations(s):

PCB, Use

PCB, Label or Marking

PCB, Failure to Maintain Records

FINDS:

110000770764 Registry ID:

Environmental Interest/Information System

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal

Map ID Direction Distance Distance (ft.)Site

Distance
Distance (ft.)Site
Database(s) EPA ID Number

#### FORMER SCHLAGE LOCK FACILITY (Continued)

1000276299

**EDR ID Number** 

facilities.

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.

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

HIST CORTESE:

Region: CORTESE
Facility County Code: 38
Reg By: LTNKA
Reg Id: 2632

EMI:

 Year:
 1987

 County Code:
 38

 Air Basin:
 SF

 Facility ID:
 2632

 Air District Name:
 BA

 SIC Code:
 3429

Air District Name:

Community Health Air Pollution Info System:

Consolidated Emission Reporting Rule:

BAY AREA AQMD

Not reported

Not reported

Total Organic Hydrocarbon Gases Tons/Yr: 14
Reactive Organic Gases Tons/Yr: 5
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 & Smllr Tons/Yr: 0

 Year:
 1990

 County Code:
 38

 Air Basin:
 SF

 Facility ID:
 2632

 Air District Name:
 BA

 SIC Code:
 3429

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: 7
Reactive Organic Gases Tons/Yr: 2
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 & Smllr Tons/Yr: 0

Year: 1995
County Code: 38
Air Basin: SF

Distance (ft.)Site Database(s) EPA ID Number

# FORMER SCHLAGE LOCK FACILITY (Continued)

1000276299

**EDR ID Number** 

Facility ID: 2632
Air District Name: BA
SIC Code: 3429

Air District Name:

Community Health Air Pollution Info System:

Consolidated Emission Reporting Rule:

Not reported

Not reported

Total Organic Hydrocarbon Gases Tons/Yr: 4
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

 Year:
 1996

 County Code:
 38

 Air Basin:
 SF

 Facility ID:
 2632

 Air District Name:
 BA

 SIC Code:
 3429

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: 4

Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

 Year:
 1997

 County Code:
 38

 Air Basin:
 SF

 Facility ID:
 2632

 Air District Name:
 BA

 SIC Code:
 3429

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: 6
Reactive Organic Gases Tons/Yr: 2
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 2
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

 Year:
 1998

 County Code:
 38

 Air Basin:
 SF

 Facility ID:
 2632

 Air District Name:
 BA

 SIC Code:
 3429

Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported

Map ID Direction Distance Distance (ft.)Site

Direction EDR ID Number
Distance

Database(s)

**EPA ID Number** 

1000276299

# FORMER SCHLAGE LOCK FACILITY (Continued)

Total Organic Hydrocarbon Gases Tons/Yr: 6
Reactive Organic Gases Tons/Yr: 2
Carbon Monoxide Emissions Tons/Yr: 2
NOX - Oxides of Nitrogen Tons/Yr: 7
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

 Year:
 1999

 County Code:
 38

 Air Basin:
 SF

 Facility ID:
 2632

 Air District Name:
 BA

 SIC Code:
 4953

Air District Name:

Community Health Air Pollution Info System:

Consolidated Emission Reporting Rule:

BAY AREA AQMD

Not reported

Not reported

Total Organic Hydrocarbon Gases Tons/Yr: 7
Reactive Organic Gases Tons/Yr: 3
Carbon Monoxide Emissions Tons/Yr: 2
NOX - Oxides of Nitrogen Tons/Yr: 7
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

 Year:
 2000

 County Code:
 38

 Air Basin:
 SF

 Facility ID:
 2632

 Air District Name:
 BA

 SIC Code:
 4953

Air District Name:

Community Health Air Pollution Info System:
Consolidated Emission Reporting Rule:

BAY AREA AQMD
Not reported
Not reported

Total Organic Hydrocarbon Gases Tons/Yr: 7
Reactive Organic Gases Tons/Yr: 3
Carbon Monoxide Emissions Tons/Yr: 2
NOX - Oxides of Nitrogen Tons/Yr: 7
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

 Year:
 2001

 County Code:
 38

 Air Basin:
 SF

 Facility ID:
 2632

 Air District Name:
 BA

 SIC Code:
 4953

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

Distance (ft.)Site Database(s) EPA ID Number

# FORMER SCHLAGE LOCK FACILITY (Continued)

1000276299

**EDR ID Number** 

Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

 Year:
 2003

 County Code:
 38

 Air Basin:
 SF

 Facility ID:
 2632

 Air District Name:
 BA

 SIC Code:
 3429

Air District Name:

Community Health Air Pollution Info System:

Consolidated Emission Reporting Rule:

BAY AREA AQMD

Not reported

Not reported

Total Organic Hydrocarbon Gases Tons/Yr:

Reactive Organic Gases Tons/Yr:

Carbon Monoxide Emissions Tons/Yr:

NOX - Oxides of Nitrogen Tons/Yr:

SOX - Oxides of Sulphur Tons/Yr:

Particulate Matter Tons/Yr:

O Darticulate Matter Tons/Yr:

Part. Matter 10 Micrometers & Smllr Tons/Yr:

 Year:
 2004

 County Code:
 38

 Air Basin:
 SF

 Facility ID:
 2632

 Air District Name:
 BA

 SIC Code:
 3429

Air District Name:

Community Health Air Pollution Info System:
Consolidated Emission Reporting Rule:
Total Organic Hydrocarbon Gases Tons/Yr:

Not reported
Not reported
0.014
Reactive Organic Gases Tons/Yr:
0.0097804

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 & Smllr Tons/Yr: 0

 Year:
 2005

 County Code:
 38

 Air Basin:
 SF

 Facility ID:
 2632

 Air District Name:
 BA

 SIC Code:
 3429

Air District Name:

Community Health Air Pollution Info System:

Consolidated Emission Reporting Rule:

Total Organic Hydrocarbon Gases Tons/Yr:

Reactive Organic Gases Tons/Yr:

.0097804

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 & Smllr Tons/Yr: 0

 Year:
 2006

 County Code:
 38

 Air Basin:
 SF

 Facility ID:
 2632

Distance (ft.)Site Database(s) **EPA ID Number** 

# FORMER SCHLAGE LOCK FACILITY (Continued)

1000276299

**EDR ID Number** 

Air District Name: BA SIC Code: 3429

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: .014 Reactive Organic Gases Tons/Yr: .0097804 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 & Smllr Tons/Yr: 0

2008 Year: County Code: 38 Air Basin: SF Facility ID: 2632 Air District Name: BA SIC Code: 3429

**BAY AREA AQMD** Air District Name: Community Health Air Pollution Info System: Not reported Consolidated Emission Reporting Rule: Not reported Total Organic Hydrocarbon Gases Tons/Yr: .014 Reactive Organic Gases Tons/Yr: .0097804

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 & Smllr Tons/Yr: 0

2009 Year: County Code: 38 Air Basin: SF Facility ID: 2632 Air District Name: BA 3429 SIC Code:

**BAY AREA AQMD** Air District Name: Community Health Air Pollution Info System: Not reported Consolidated Emission Reporting Rule: Not reported

Total Organic Hydrocarbon Gases Tons/Yr: 0.014

9.78039999999999E-3 Reactive Organic Gases Tons/Yr:

Carbon Monoxide Emissions Tons/Yr: 0 NOX - Oxides of Nitrogen Tons/Yr: 0 SOX - Oxides of Sulphur Tons/Yr: 0 Particulate Matter Tons/Yr: n Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

#### ENVIROSTOR:

Facility ID: 71002252

Status: Inactive - Needs Evaluation

Status Date: Not reported Site Code: Not reported Tiered Permit Site Type: Site Type Detailed: **Tiered Permit** Acres: Not reported NPL: NO

NONE SPECIFIED Regulatory Agencies:

Map ID Direction Distance Distance (ft.)Site

ection EDR ID Number

#### FORMER SCHLAGE LOCK FACILITY (Continued)

1000276299

**EPA ID Number** 

Database(s)

Lead Agency: NONE SPECIFIED Program Manager: Not reported Supervisor: Not reported Division Branch: Cleanup Berkeley

Assembly: 17 Senate: 11

Special Program: Not reported

Restricted Use: NO

Site Mgmt Req: NONE SPECIFIED Funding: Not reported Latitude: 37.74066 Longitude: -122.4067

APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD009111212

Alias Type: EPA Identification Number

Alias Name: 110000770764 Alias Type: EPA (FRS #) Alias Name: 71002252

Alias Type: Envirostor ID Number

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
Not reported

Future Area Name: Not reported Future Sub Area Name: Not reported Future Document Type: Not reported Not reported Future Due Date: Not reported Schedule Area Name: Schedule Sub Area Name: Not reported Schedule Document Type: Not reported Schedule Due Date: Not reported Schedule Revised Date: Not reported

5 SANITARY FILL COMPANY LANDFILL

CA WMUDS/SWAT S103441123 N/A

, CA

WMUDS/SWAT:

Edit Date: Not reported Complexity: Not reported Primary Waste: Not reported Primary Waste Type: Not reported Secondary Waste: Not reported Secondary Waste Type: Not reported Base Meridian: Not reported NPID: Not reported

Tonnage: 0

Regional Board ID: Not reported Municipal Solid Waste: False Superorder: False

Map ID Direction Distance Distance (ft.)Site

ection EDR ID Number

SANITARY FILL COMPANY LANDFILL (Continued)

S103441123

**EPA ID Number** 

Database(s)

Open To Public: False Waste List: False Agency Type: Not reported Not reported Agency Name: Agency Department: Not reported Agency Address: Not reported Agency City, St, Zip: Not reported Not reported Agency Contact: Agency Telephone: Not reported Land Owner Name: Not reported Land Owner Address: Not reported Land Owner City, St, Zip: Not reported Land Owner Contact: Not reported Land Owner Phone: Not reported

Region: 2

Facility Type: Not reported Not reported Facility Description: Facility Telephone: Not reported SWAT Facility Name: Not reported Primary SIC: Not reported Secondary SIC: Not reported Comments: Not reported Last Facility Editors: Not reported Waste Discharge System: False

Solid Waste Assessment Test Program: True
Toxic Pits Cleanup Act Program: False
Resource Conservation Recovery Act: False
Department of Defence: False

Solid Waste Assessment Test Program: Not reported Threat to Water Quality: Not reported Sub Chapter 15: False Regional Board Project Officer: UN1 Number of WMUDS at Facility: 1

Section Range:
RCRA Facility:
Waste Discharge Requirements:
Self-Monitoring Rept. Frequency:
Waste Discharge System ID:
Solid Waste Information ID:
Not reported
Not reported
Not reported
Not reported

5 CECO CORPORATION 401 TUNNEL AVE SAN FRANCISCO, CA 94134 RCRA-SQG 1000324903
CA HIST CORTESE CAD981973183
CA LUST

RCRA-SQG:

Date form received by agency: 05/13/1987

Facility name: CECO CORPORATION
Facility address: 401 TUNNEL AVE

SAN FRANCISCO, CA 94134

EPA ID: CAD981973183
Mailing address: TUNNEL AVE

SAN FRANCISCO, CA 94134

Contact: ENVIRONMENTAL MANAGER

Contact address: 401 TUNNEL AVE

SAN FRANCISCO, CA 94134

Contact country: US

Contact telephone: (415) 467-9700 Contact email: Not reported

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

# **CECO CORPORATION (Continued)**

1000324903

**EDR ID Number** 

EPA Region: 09

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous

waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of

hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED Owner/operator address: NOT REQUIRED

NOT REQUIRED, ME 99999

Owner/operator country:
Owner/operator telephone:
Legal status:
Owner/Operator Type:
Owner/Op start date:
Owner/Op end date:
Not reported
Not reported
Not reported

Owner/operator name: ERIN E SCHULZ
Owner/operator address: NOT REQUIRED

NOT REQUIRED, ME 99999

Owner/operator country:

Owner/operator telephone:

Legal status:

Owner/Operator Type:

Owner/Op start date:

Owner/Op end date:

Not reported

Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: Nο Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No No Used oil processor: 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

HIST CORTESE:

Region: CORTESE
Facility County Code: 38
Reg By: LTNKA
Reg Id: 38-0074

LUST:

Region: STATE

Distance (ft.)Site Database(s) EPA ID Number

# **CECO CORPORATION (Continued)**

1000324903

**EDR ID Number** 

 Global Id:
 T0607500065

 Latitude:
 37.710114

 Longitude:
 -122.400101

 Case Type:
 LUST Cleanup Site

 Status:
 Completed - Case Closed

Status Date: 08/20/2003

Lead Agency: SAN FRANCISCO COUNTY LOP

Case Worker: AL

Local Agency: SAN FRANCISCO COUNTY LOP

RB Case Number: 38-0074
LOC Case Number: 10472
File Location: Not reported

Potential Media Affect: Other Groundwater (uses other than drinking water)

Potential Contaminants of Concern: Diesel Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0607500065

Contact Type: Regional Board Caseworker

Contact Name: VIC PAL

Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)

Address: 1515 CLAY STREET, SUITE 1400

City: OAKLAND

Email: vpal@waterboards.ca.gov

Phone Number: Not reported

Global Id: T0607500065

Contact Type: Local Agency Caseworker

Contact Name: ALBERT LEE

Organization Name: SAN FRANCISCO COUNTY LOP Address: 1390 MARKET STREET, #210

City: SAN FRANCISCO
Email: albert.lee@sfdph.org
Phone Number: Not reported

Status History:

Global Id: T0607500065

Status: Completed - Case Closed

Status Date: 08/20/2003

Global Id: T0607500065

Status: Open - Site Assessment

Status Date: 02/23/1988

Global Id: T0607500065

Status: Open - Case Begin Date

Status Date: 02/23/1988

Regulatory Activities:

 Global Id:
 T0607500065

 Action Type:
 ENFORCEMENT

 Date:
 08/01/2000

 Action:
 Staff Letter

Global Id: T0607500065

Distance (ft.)Site Database(s) EPA ID Number

#### **CECO CORPORATION (Continued)**

1000324903

**EDR ID Number** 

Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

 Global Id:
 T0607500065

 Action Type:
 ENFORCEMENT

 Date:
 08/20/2003

Action: Closure/No Further Action Letter

 Global Id:
 T0607500065

 Action Type:
 ENFORCEMENT

 Date:
 06/24/2003

 Action:
 File review

 Global Id:
 T0607500065

 Action Type:
 Other

 Date:
 01/01/1950

 Action:
 Leak Reported

#### LUST REG 2:

Region: Facility Id: 38-0074 Case Closed Facility Status: Case Number: 10472 How Discovered: Not reported Leak Cause: Not reported Leak Source: Not reported Date Leak Confirmed: Not reported LUST Oversight Program:

Prelim. Site Assesment Wokplan Submitted:
Preliminary Site Assesment Began:
Pollution Characterization Began:
Pollution Remediation Plan Submitted:
Date Remediation Action Underway:
Not reported
Not reported
Not reported
Not reported
Not reported
Not reported

#### SAN FRANCISCO CO. LUST:

Region: SAN FRANCISCO

Facility ID: 38-0074
Facility Status: Not reported
Case Number: 10472

Case Type: Other ground water affected Release Date: 2/23/1988

2/23/1988 Discovered Date: Substance: Diesel Substance Qty: Not reported How Discovered: Tank Closure How Stopped: Close Tank 2/23/1988 Report Date: Case Closed: Not reported Closed Date: Not reported Leak Source: Tank

Leak Cause: Structure Failure
Leak Confirmed: Not reported
Entered Date: 7/20/1995

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

# **CECO CORPORATION (Continued)**

1000324903

**EDR ID Number** 

Number of Wells: Not reported

Regional Board: San Francisco Bay Region

Local Agency: 38000
Lead Agency: Local Agency
Program: LOP

Responsible Party: SANITARY FILL CO.

RP Address: Not reported Operator: Not reported

Staff Initial: VP Facility Staff: AL

Cross Street: Not reported NOR Date: 7/20/1995 MTBE Current: Not reported MTBE Current Date: 7/28/2001 MTBE: ND

Maximum MTBE Soil: Not reported Maximum MTBE GW: Not reported MTBE DATE: 7/28/2001 Review Date: 4/30/2002 Workplan Submitted: Not reported Assessment Underway: 3/17/1989 Pollution Characterization: Not reported Not reported Corrective Action Plan: Remediation Underway: Not reported Monitoring Begun: Not reported Funding: Federal Interim Remediation: No

Priority: Low Priority Site

Abatement: No Action Taken - no action has as yet been taken at the site

Enforcement Type: Informal Enforcement Actions, including Notices of Violations and Staff Enforcement Letters

Enforcement Due Date: 8/1/2000
Basin: South Basin
Beneficial Use: No

Lat/Long: Not reported CUFID: Not reported Suspended: No

Stopped Date: 4/20/1988
Free Product: No

Depth to Grnd Wtr:
Gradient:

Benzene:
Primary Substance:
Enforcement Type:
Amount of Free Produce:
Not reported
Gasoline
Not reported
Not reported
Not reported

Benzene Test: ND

Maximum Soil GW: Not reported Max Soil Concentration: Not reported

TPH Tested: YES

Max TPH GW: Not reported Max TPH Soil: 906
TPH Date: 7/28/2001
Block: Not reported Lot: Not reported Notify: False

TPH Current: Not reported TPH Current Date: Not reported Grnd Wtr Qualifier: Not reported

Map ID Direction Distance Distance (ft.)Site

irection EDR ID Number

CECO CORPORATION (Continued) 1000324903

Soil Qualifier: Not reported Comments: Not reported Summary: 4/20/88 [leak

# 6 SUPER EXCAVATORS, INC. (SITE 1) HARNEY WAY & ALANA WAY SAN FRANCISCO, CA 94134

ENVIROSTOR:

Facility ID: 60001756

Status: Inactive - Needs Evaluation

Status Date: 11/02/2010
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit

Acres: 0
NPL: NO
Regulatory Agencies: TPCAB
Lead Agency: TPCAB
Program Manager: Not reported
Supervisor: Denise Tsuji
Division Branch: Cleanup Berkeley

Assembly: 12 Senate: 11

Special Program: Not reported

Restricted Use: NO

Site Mgmt Req: NONE SPECIFIED Funding: Not Applicable Latitude: 37.70901 Longitude: -122.3928

APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 60001756

Alias Type: Envirostor ID Number

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 Not reported Schedule Area Name: Schedule Sub Area Name: Not reported Schedule Document Type: Not reported Schedule Due Date: Not reported Schedule Revised Date: Not reported CA ENVIROSTOR \$112057215 N/A

Database(s)

**EPA ID Number** 

Map ID Direction Distance Distance (ft.)Site

irection EDR ID Number

6 GREEN EARTH TRANSPORTATION INC 5 THOMAS MELLON CIRCLE SAN FRANCISCO, CA 94134 RCRA NonGen / NLR 1011488223 CAR000193805

**EPA ID Number** 

Database(s)

RCRA NonGen / NLR:

Date form received by agency: 07/25/2008

Facility name: GREEN EARTH TRANSPORTATION INC

Facility address: 5 THOMAS MELLON CIRCLE

**STE 104** 

SAN FRANCISCO, CA 94134

EPA ID: CAR000193805 Contact: JIM R MARTIN

Contact address: 5 THOMAS MELLON CIRCLE STE 104

SAN FRANCISCO, CA 94134

Contact country: US

Contact telephone: 925-957-6110

Contact email: JIM.SDG@GMAIL.COM

EPA Region: 09

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: GREEN EARTH TRANSPORTATION INC

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 06/16/2008
Owner/Op end date: Not reported

Owner/operator name: GREEN EARTH TRANSPORTATION INC 5 THOMAS MELLON CIRCLE STE 104

SAN FRANCISCO, CA 94134

Owner/operator country: US
Owner/operator telephone: Not

Owner/operator telephone: Not reported Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 06/16/2008
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

Map ID Direction Distance Distance (ft.)Site

7

irection EDR ID Number

No violations found

**GREEN EARTH TRANSPORTATION INC (Continued)** 

1011488223

**EPA ID Number** 

SF RECYCLING AND 501 TUNNEL AV SAN FRANCISCO, CA CA UST U003777460 N/A

Database(s)

SAN FRANCISCO CO. UST:

Violation Status:

Facility ID: 2093 Facility Status: Not re

Not reported Number Of Tanks: Not reported Owner/Operator Name: Not reported Owner/Operator Title: Not reported Sanitary Fill Owner Name: Care Of Addr: Brad Drda 2nd Care Of Add: Not reported Mailing Address: 501 TUNNEL AV Mailing City, St, Zip: San Francisco, CA 94134

Permit Number: Not reported
Permit Approved By: Not reported
Permit Expiration Date: Not reported
Applications: Not reported
Application Date: Not reported
Application Name: Not reported

Action Type: 1

Yr Spill/Overfill Installed1: Not reported Yr Spill/Overfill Installed2: Not reported Yr Spill/Overfill Installed3: Not reported

Tank ID: 1007

Tank Test: Not reported
Local Tank Id: 2093001007
Tank Manufacturer: Modern Welding

Compartmentalized Tank: No

# Of Tank Compartments: Not reported 1/1/1986 Date Tank Installed: 2000 Tank Capacity: Not reported Additional Desc: Tank Use: Petroleum Type: Other Common Name: Not reported Case Number: Not reported Type Of Tank: Double wall

Primary Tank Material: Steel Clad w/fiberglass Reinforced Plastic (FRP)

Secondary Tank Material: Not reported Tank Interior Lining: Unlined Date Interior Lining Install: Not reported Date Closed: Not reported UST Close ID: Not reported Type Of Spill Protection: Not reported

Date Alarm Overfill Protection Installed:

Date Ball Float Overfill Protection Installed:

Not reported

Not reported

Not reported

Not reported

Overfill Protection Exempt: Yes

Othr Tnk Corrosive Prtctn: Fiberglass Reinforced Plastic (FRP)

Date Corrosive Prtctn Install: Not reported Tank Leak Detection (single walled): Not reported

Tank Leak Detection (double wall): Continuous Interstitial Monitoring

Estimated Date Last Used: Not reported

Estimated Qty Of Substance Remaining: 0

Distance (ft.)Site Database(s) EPA ID Number

SF RECYCLING AND (Continued)

Ball Float Present:

Fill Tube Present:

Other Tank Leak Detection Present:

U003777460

**EDR ID Number** 

Tank Filled With Inert Material: 0 Gravity Piping System Type ( Underground ): Piping System Type ( Aboveground ): Not reported Piping Construction (Underground): Not reported Piping Manufacturer (Underground): Not reported Piping Construction (Aboveground): Not reported Piping Manufacturer (Aboveground): Not reported Piping Material & Corrosion Protection (Underground): Steel w/Coating Piping Material & Corrosion Protection (Aboveground): Not reported Piping Leak Detection (Undrgrnd - Single Wall): Not reported

Piping Leak Detection (2nd Contained): Suction, Gravity , Sump Sensor, Alarms

No

No

No

Piping Leak Detection (Emrgncy Gnrtrs): Not reported Pipe Integrity Test, Underground: Not reported Piping Leak Detection (Aboveground - Single Wall): Not reported Piping Leak Detection (Underground - 2nd Contained): Not reported Piping Leak Detection Underground (Emrgncy Gnrtrs): Not reported Pipe Integrity Test, Aboveground: Not reported Date Dispenser Containment Installed: Not reported Dispenser Containment Type: None Date Certified (Tank Unit): Not reported Not reported Certified Date: Last Annual Monitoring Cert: 11/26/2007 6/24/2008 2nd Containment Test: Spill Containment Present: No Drop Tube Present: No Striker Plate Present: No Alarm Present: Nο

Tank ID: Not reported Tank Test: Not reported Local Tank Id: Not reported Tank Manufacturer: Not reported Compartmentalized Tank: Not reported # Of Tank Compartments: Not reported Date Tank Installed: Not reported Tank Capacity: Not reported Not reported Additional Desc: Tank Use: Not reported Petroleum Type: Not reported Not reported Common Name: Not reported Case Number: Type Of Tank: Not reported Primary Tank Material: Not reported Secondary Tank Material: Not reported Tank Interior Lining: Not reported Date Interior Lining Install: Not reported Date Closed: 12/19/1994 UST Close ID: Type Of Spill Protection: Not reported

Date Alarm Overfill Protection Installed:

Date Ball Float Overfill Protection Installed:

Date Fill Tube Shut Overfill Protection Installed:

Overfill Protection Exempt:

Not reported

Not reported

Map ID
Direction
Distance
Distance (ft )Si

Distance (ft.)Site Database(s) EPA ID Number

#### SF RECYCLING AND (Continued)

U003777460

**EDR ID Number** 

Othr Tnk Corrosive Prtctn: Not reported Not reported Date Corrosive Prtctn Install: Tank Leak Detection (single walled): Not reported Tank Leak Detection (double wall): Not reported Estimated Date Last Used: Not reported Estimated Qty Of Substance Remaining: Not reported Tank Filled With Inert Material: Not reported Not reported Piping System Type ( Underground ): Piping System Type ( Aboveground ): Not reported Piping Construction (Underground): Not reported Piping Manufacturer (Underground): Not reported Piping Construction (Aboveground): Not reported Piping Manufacturer (Aboveground): Not reported Piping Material & Corrosion Protection (Underground): Not reported Piping Material & Corrosion Protection (Aboveground): Not reported Piping Leak Detection (Undrgrnd - Single Wall): Not reported Not reported Piping Leak Detection (2nd Contained): Piping Leak Detection (Emrgncy Gnrtrs): Not reported Pipe Integrity Test, Underground: Not reported Piping Leak Detection (Aboveground - Single Wall): Not reported Piping Leak Detection (Underground - 2nd Contained): Not reported Piping Leak Detection Underground (Emrgncy Gnrtrs): Not reported Pipe Integrity Test, Aboveground: Not reported Date Dispenser Containment Installed: Not reported Dispenser Containment Type: Not reported Not reported Date Certified (Tank Unit): Certified Date: 5/23/1995 Last Annual Monitoring Cert: Not reported 2nd Containment Test: Not reported Spill Containment Present: Not reported Drop Tube Present: Not reported Striker Plate Present: Not reported Alarm Present: Not reported **Ball Float Present:** Not reported Not reported Fill Tube Present: Other Tank Leak Detection Present: Not reported

Tank ID: Not reported Tank Test: Not reported Local Tank Id: Not reported Tank Manufacturer: Not reported Compartmentalized Tank: Not reported Not reported # Of Tank Compartments: Not reported Date Tank Installed: Tank Capacity: Not reported Not reported Additional Desc: Tank Use: Not reported Petroleum Type: Not reported Common Name: Not reported Case Number: Not reported Type Of Tank: Not reported Primary Tank Material: Not reported Not reported Secondary Tank Material: Tank Interior Lining: Not reported Date Interior Lining Install: Not reported Date Closed: 10/27/1999

Map ID
Direction
Distance
Distance (ft.)

Distance (ft.)Site Database(s) EPA ID Number

# SF RECYCLING AND (Continued)

U003777460

**EDR ID Number** 

UST Close ID: 3838 Type Of Spill Protection: Not reported Not reported Date Alarm Overfill Protection Installed: Date Ball Float Overfill Protection Installed: Not reported Date Fill Tube Shut Overfill Protection Installed: Not reported Overfill Protection Exempt: Not reported Othr Tnk Corrosive Prtctn: Not reported Not reported Date Corrosive Prtctn Install: Tank Leak Detection (single walled): Not reported Tank Leak Detection (double wall): Not reported Not reported Estimated Date Last Used: Estimated Qty Of Substance Remaining: Not reported Tank Filled With Inert Material: Not reported Piping System Type (Underground): Not reported Piping System Type ( Aboveground ): Not reported Piping Construction (Underground): Not reported Piping Manufacturer (Underground): Not reported Piping Construction (Aboveground): Not reported Piping Manufacturer (Aboveground): Not reported Piping Material & Corrosion Protection (Underground): Not reported Piping Material & Corrosion Protection (Aboveground): Not reported Piping Leak Detection (Undrgrnd - Single Wall): Not reported Piping Leak Detection (2nd Contained): Not reported Piping Leak Detection (Emrgncy Gnrtrs): Not reported Pipe Integrity Test, Underground: Not reported Piping Leak Detection (Aboveground - Single Wall): Not reported Piping Leak Detection (Underground - 2nd Contained): Not reported Piping Leak Detection Underground (Emrgncy Gnrtrs): Not reported Pipe Integrity Test, Aboveground: Not reported Date Dispenser Containment Installed: Not reported Dispenser Containment Type: Not reported Date Certified (Tank Unit): Not reported Certified Date: Not reported Last Annual Monitoring Cert: Not reported Not reported 2nd Containment Test: Spill Containment Present: Not reported Drop Tube Present: Not reported Striker Plate Present: Not reported Alarm Present: Not reported **Ball Float Present:** Not reported Fill Tube Present: Not reported Other Tank Leak Detection Present: Not reported

Tank ID: Not reported Tank Test: Not reported Local Tank Id: Not reported Tank Manufacturer: Not reported Compartmentalized Tank: Not reported # Of Tank Compartments: Not reported Date Tank Installed: Not reported Tank Capacity: Not reported Additional Desc: Not reported Not reported Tank Use: Petroleum Type: Not reported Common Name: Not reported Case Number: Not reported Map ID
Direction
Distance
Distance (ft )Si

Distance (ft.)Site Database(s) EPA ID Number

Not reported

# SF RECYCLING AND (Continued)

U003777460

**EDR ID Number** 

Type Of Tank: Not reported Primary Tank Material: Not reported Secondary Tank Material: Not reported Tank Interior Lining: Not reported Date Interior Lining Install: Not reported Date Closed: 1/19/1999 UST Close ID: 3594 Type Of Spill Protection: Not reported Date Alarm Overfill Protection Installed: Not reported Date Ball Float Overfill Protection Installed: Not reported Date Fill Tube Shut Overfill Protection Installed: Not reported Overfill Protection Exempt: Not reported Othr Tnk Corrosive Prtctn: Not reported Date Corrosive Prtctn Install: Not reported Tank Leak Detection (single walled): Not reported Tank Leak Detection (double wall): Not reported Estimated Date Last Used: Not reported Estimated Qty Of Substance Remaining: Not reported Tank Filled With Inert Material: Not reported Piping System Type ( Underground ): Not reported Piping System Type ( Aboveground ): Not reported Piping Construction (Underground): Not reported Piping Manufacturer (Underground): Not reported Piping Construction (Aboveground): Not reported Not reported Piping Manufacturer (Aboveground): Not reported Piping Material & Corrosion Protection (Underground): Piping Material & Corrosion Protection (Aboveground): Not reported Piping Leak Detection (Undrgrnd - Single Wall): Not reported Piping Leak Detection (2nd Contained): Not reported Piping Leak Detection (Emrgncy Gnrtrs): Not reported Pipe Integrity Test, Underground: Not reported Piping Leak Detection (Aboveground - Single Wall): Not reported Piping Leak Detection (Underground - 2nd Contained): Not reported Piping Leak Detection Underground (Emrgncy Gnrtrs): Not reported Pipe Integrity Test, Aboveground: Not reported Date Dispenser Containment Installed: Not reported Dispenser Containment Type: Not reported Date Certified (Tank Unit): Not reported Certified Date: Not reported Last Annual Monitoring Cert: Not reported 2nd Containment Test: Not reported Spill Containment Present: Not reported **Drop Tube Present:** Not reported Not reported Striker Plate Present: Alarm Present: Not reported Ball Float Present: Not reported Fill Tube Present: Not reported

Tank ID: Not reported Tank Test: Not reported Local Tank Id: Not reported Tank Manufacturer: Not reported Compartmentalized Tank: Wot reported # Of Tank Compartments: Not reported Date Tank Installed: Not reported

Other Tank Leak Detection Present:

Distance (ft.)Site Database(s) EPA ID Number

# SF RECYCLING AND (Continued)

U003777460

**EDR ID Number** 

Tank Capacity: Not reported Additional Desc: Not reported Tank Use: Not reported Petroleum Type: Not reported Common Name: Not reported Case Number: Not reported Type Of Tank: Not reported Primary Tank Material: Not reported Secondary Tank Material: Not reported Tank Interior Lining: Not reported Date Interior Lining Install: Not reported Date Closed: 8/26/1999 UST Close ID: 3754 Type Of Spill Protection: Not reported Date Alarm Overfill Protection Installed: Not reported Date Ball Float Overfill Protection Installed: Not reported Not reported Date Fill Tube Shut Overfill Protection Installed: Overfill Protection Exempt: Not reported Othr Tnk Corrosive Prtctn: Not reported Date Corrosive Prtctn Install: Not reported Tank Leak Detection (single walled): Not reported Tank Leak Detection (double wall): Not reported Estimated Date Last Used: Not reported Estimated Qty Of Substance Remaining: Not reported Tank Filled With Inert Material: Not reported Piping System Type ( Underground ): Not reported Piping System Type ( Aboveground ): Not reported Piping Construction (Underground): Not reported Piping Manufacturer (Underground): Not reported Piping Construction (Aboveground): Not reported Piping Manufacturer (Aboveground): Not reported Piping Material & Corrosion Protection (Underground): Not reported Piping Material & Corrosion Protection (Aboveground): Not reported Piping Leak Detection (Undrgrnd - Single Wall): Not reported Piping Leak Detection (2nd Contained): Not reported Piping Leak Detection (Emrgncy Gnrtrs): Not reported Pipe Integrity Test, Underground: Not reported Piping Leak Detection (Aboveground - Single Wall): Not reported Piping Leak Detection (Underground - 2nd Contained): Not reported Piping Leak Detection Underground (Emrgncy Gnrtrs): Not reported Pipe Integrity Test, Aboveground: Not reported Date Dispenser Containment Installed: Not reported Dispenser Containment Type: Not reported Date Certified (Tank Unit): Not reported Certified Date: Not reported Last Annual Monitoring Cert: Not reported Not reported 2nd Containment Test: Spill Containment Present: Not reported Drop Tube Present: Not reported Striker Plate Present: Not reported Alarm Present: Not reported **Ball Float Present:** Not reported Fill Tube Present: Not reported Other Tank Leak Detection Present: Not reported

Map ID Direction Distance Distance (ft.)Site

rection EDR ID Number

SF RECYCLING AND (Continued)

U003777460

**EPA ID Number** 

Click this hyperlink while viewing on your computer to access 2 additional CA\_UST\_SF: record(s) in the EDR Site Report.

7 SF RECYCLING & DISPOSAL INC 501 TUNNEL CA AST A100337237 N/A

Database(s)

NEL

BRISBANE, CA 94005

AST:

Owner: Not reported Total Gallons: 1,320 Certified Unified Program Agencies: San Mateo

\_\_\_\_

7 SANITARY FILL CA HIST CORTESE S101592048 501 TUNNEL AVE CA FID UST N/A

SAN FRANCISCO, CA 94134

HIST CORTESE:

Region: CORTESE
Facility County Code: 38
Reg By: LTNKA
Reg Id: 38-0362

Region: CORTESE
Facility County Code: 38
Reg By: LTNKA
Reg Id: 38-1368

Region: CORTESE
Facility County Code: 38
Reg By: LTNKA
Reg Id: 38-1369

CA FID UST:

Facility ID: 38000401 Regulated By: UTNKA Regulated ID: Not reported Cortese Code: Not reported SIC Code: Not reported Facility Phone: 4154682442 Mail To: Not reported 900 7TH ST Mailing Address: Mailing Address 2: Not reported

Mailing City,St,Zip: SAN FRANCISCO 94134

Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

Distance (ft.)Site

**EDR ID Number** 

Database(s) **EPA ID Number** 

7 NORCAL-SAN FRANCISCO RECYCLING AND DISPOSAL INC **501 TUNNEL** 

**CA HIST CORTESE CA LUST** CA San Mateo Co. BI

S102434415 N/A

**BRISBANE, CA 94005** 

HIST CORTESE: Region:

CORTESE Facility County Code: 41 **LTNKA** 41-0877

LUST REG 2:

Reg By:

Reg Id:

Region:

Facility Id: Not reported

Facility Status: Post remedial action monitoring

Case Number: 560025 How Discovered: OM Leak Cause: Unknown Leak Source: Unknown Date Leak Confirmed: Not reported Oversight Program: LUST

Prelim. Site Assesment Wokplan Submitted: Not reported Preliminary Site Assesment Began: Not reported Pollution Characterization Began: 1/1/1965 Pollution Remediation Plan Submitted: Not reported Date Remediation Action Underway: Not reported Date Post Remedial Action Monitoring Began: 6/9/2003

San Mateo Co. BI:

Region: SAN MATEO Facility ID: FA0026634

Prog Element Code: HAZARDOUS WASTE PROGRAM - GENERAL

Record Id: PR0038671

Description: HAZARDOUS WASTE PROGRAM - GENERAL

7 **VERIZON WIRELESS: SFO TERMINAL 2 501 TUNNEL** 

CA San Mateo Co. BI S113758112 N/A

SAN FRANCISCO, CA 94128

San Mateo Co. BI:

SAN MATEO Region: Facility ID: FA0029334

Prog Element Code: STORES HAZ MAT <219GAL,1,999LB, 879FT3

Record Id: PR0049808

Description: STORES HAZ MAT <219GAL,1,999LB, 879CF

7 **SANITARY FILL COMPANY 501 TUNNEL AVENUE** SAN FRANCISCO, CA 94134 CA SWF/LF S100944223 CA EMI N/A

**CA HWT** 

SWF/LF (SWIS):

STATE Region: Facility ID: 38-AA-0001

Lat/Long: 37.7074799 / -122.39928 Owner Name: Recology Properties Inc.

Owner Telephone: 4158751000 Owner Address: Not reported

Owner Address2: 50 California St. 24th Fl.

Distance (ft.)Site Database(s) EPA ID Number

# SANITARY FILL COMPANY (Continued)

S100944223

**EDR ID Number** 

Owner City, St, Zip: San Francisco, CA 94111

Operational Status: Active

Operator: Recology Properties Inc.

Operator Phone: 4158751000 Operator Address: Not reported

Operator Address2: 50 California St. 24th Fl. Operator City,St,Zip: San Francisco, CA 94111

Permit Date: 04/26/2010
Permit Status: Permitted
Permitted Acreage: 18

Activity: Large Volume Transfer/Proc Facility

Regulation Status: Permitted Landuse Name: Industrial GIS Source: Map

Category: Transfer/Processing

Unit Number: 01
Inspection Frequency: Monthly

Accepted Waste: Construction/demolition, Green Materials, Industrial, Mixed

municipal,Other hazardous,Tires

Closure Date: Not reported
Closure Type: Not reported
Disposal Acreage: Not reported
SWIS Num: 38-AA-0001
Waste Discharge Requirement Num: Not reported
Program Type: Not reported

Permitted Throughput with Units: 3000
Actual Throughput with Units: Tons/day
Permitted Capacity with Units: 5000
Remaining Capacity: Not reported
Remaining Capacity with Units: Tons/day

Region: STATE Facility ID: 38-AA-0013

Lat/Long: 37.7090999 / -122.40048
Owner Name: Sunset Properties
Owner Telephone: 4158751000
Owner Address: Not reported

Owner Address2: 160 Pacific Avenue, Suite 200 Owner City,St,Zip: San Francisco, CA 94111

Operational Status: Closed

Operator: San Francisco Recycling & Disposal, Inc.

Operator Phone: 4153301400
Operator Address: Maurice Quillen
Operator Address2: 501 Tunnel Avenue
Operator City,St,Zip: San Francisco, CA 94134

Permit Date: 11/20/2007
Permit Status: Surrender
Permitted Acreage: 0.5

Activity: Medium Volume Transfer/Proc Fac

Regulation Status: Suspended

Landuse Name: Industrial, Commercial

GIS Source: Map

Category: Transfer/Processing

Unit Number: 01
Inspection Frequency: None
Accepted Waste: Food Wastes
Closure Date: Not reported

Distance (ft.)Site Database(s) EPA ID Number

# SANITARY FILL COMPANY (Continued)

S100944223

**EDR ID Number** 

Not reported Closure Type: Not reported Disposal Acreage: SWIS Num: 38-AA-0013 Waste Discharge Requirement Num: Not reported Program Type: Not reported Permitted Throughput with Units: 240 Actual Throughput with Units: Tons/day Permitted Capacity with Units: 31299 Remaining Capacity: Not reported Remaining Capacity with Units: Tons/year

Region: STATE Facility ID: 38-AA-0017

Lat/Long: 37.7087300 / -122.4002
Owner Name: Sunset Properties
Owner Telephone: 4158751000
Owner Address: Not reported

Owner Address2: 160 Pacific Avenue, Suite 200 Owner City,St,Zip: San Francisco, CA 94111

Operational Status: Active

Operator: San Francisco Recycling & Disposal, Inc

Operator Phone: 4153301400

Operator Address: Mike Crosetti, General Manager

Operator Address2: 501 Tunnel Avenue
Operator City,St,Zip: San Francisco, CA 94134

Permit Date: 08/29/2008
Permit Status: Permitted

Permitted Acreage: 2

Activity: Medium Vol CDI Debris Proc. Fac.

Regulation Status: Permitted

Landuse Name: Industrial, Commercial

GIS Source: Map

Category: Transfer/Processing

Unit Number: 01
Inspection Frequency: Monthly

Accepted Waste: Construction/demolition,Inert

Closure Date: Not reported
Closure Type: Not reported
Disposal Acreage: Not reported
SWIS Num: 38-AA-0017
Waste Discharge Requirement Num: Not reported
Program Type: Not reported
Permitted Throughput with Units: 275

Actual Throughput with Units: Tons/day
Permitted Capacity with Units: 54600
Remaining Capacity: Not reported
Remaining Capacity with Units: Tons/year

EMI:

 Year:
 1990

 County Code:
 38

 Air Basin:
 SF

 Facility ID:
 4173

 Air District Name:
 BA

 SIC Code:
 4953

Air District Name: BAY AREA AQMD Community Health Air Pollution Info System: Not reported

Map ID Direction Distance Distance (ft.)Site

Distance
Distance (ft.)Site
Database(s) EPA ID Number

\_\_\_\_

S100944223

**EDR ID Number** 

#### SANITARY FILL COMPANY (Continued)

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 & Smllr Tons/Yr: 0

 Year:
 1990

 County Code:
 38

 Air Basin:
 SF

 Facility ID:
 5386

 Air District Name:
 BA

 SIC Code:
 4953

Air District Name:

Community Health Air Pollution Info System:

Consolidated Emission Reporting Rule:

BAY AREA AQMD

Not reported

Not reported

Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
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 & Smllr Tons/Yr: 0

 Year:
 1995

 County Code:
 38

 Air Basin:
 SF

 Facility ID:
 4173

 Air District Name:
 BA

 SIC Code:
 4953

Air District Name:

Community Health Air Pollution Info System:

Consolidated Emission Reporting Rule:

BAY AREA AQMD

Not reported

Not reported

Total Organic Hydrocarbon Gases Tons/Yr:

Reactive Organic Gases Tons/Yr:

Carbon Monoxide Emissions Tons/Yr:

NOX - Oxides of Nitrogen Tons/Yr:

SOX - Oxides of Sulphur Tons/Yr:

Particulate Matter Tons/Yr:

Part. Matter 10 Micrometers & Smllr Tons/Yr:

7

 Year:
 1996

 County Code:
 38

 Air Basin:
 SF

 Facility ID:
 4173

 Air District Name:
 BA

 SIC Code:
 4953

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

Map ID Direction Distance Distance (ft.)Site

ection EDR ID Number

Database(s) EPA ID Number

# SANITARY FILL COMPANY (Continued)

Particulate Matter Tons/Yr: 8
Part. Matter 10 Micrometers & Smllr Tons/Yr: 7

 Year:
 1996

 County Code:
 38

 Air Basin:
 SF

 Facility ID:
 5386

 Air District Name:
 BA

 SIC Code:
 4953

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: 2
Reactive Organic Gases Tons/Yr: 1
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 & Smllr Tons/Yr: 0

 Year:
 1997

 County Code:
 38

 Air Basin:
 SF

 Facility ID:
 11552

 Air District Name:
 BA

 SIC Code:
 4212

Air District Name:

Community Health Air Pollution Info System:

Consolidated Emission Reporting Rule:

BAY AREA AQMD

Not reported

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 & Smllr Tons/Yr: 0

 Year:
 1997

 County Code:
 38

 Air Basin:
 SF

 Facility ID:
 4173

 Air District Name:
 BA

 SIC Code:
 4953

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:

Reactive Organic Gases Tons/Yr:

Carbon Monoxide Emissions Tons/Yr:

NOX - Oxides of Nitrogen Tons/Yr:

SOX - Oxides of Sulphur Tons/Yr:

Particulate Matter Tons/Yr:

13

Part. Matter 10 Micrometers & Smllr Tons/Yr:

12

Year: 1998
County Code: 38
Air Basin: SF

TC4090296.5s Page 104 of 476

S100944223

Distance (ft.)Site Database(s) EPA ID Number

# SANITARY FILL COMPANY (Continued)

S100944223

**EDR ID Number** 

Facility ID: 4173
Air District Name: BA
SIC Code: 4953

Air District Name:

Community Health Air Pollution Info System:

Consolidated Emission Reporting Rule:

BAY AREA AQMD

Not reported

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: 9
Part. Matter 10 Micrometers & Smllr Tons/Yr: 8

 Year:
 1998

 County Code:
 38

 Air Basin:
 SF

 Facility ID:
 11552

 Air District Name:
 BA

 SIC Code:
 4212

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 & Smllr Tons/Yr: 0

 Year:
 1999

 County Code:
 38

 Air Basin:
 SF

 Facility ID:
 11552

 Air District Name:
 BA

 SIC Code:
 4212

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 & Smllr Tons/Yr: 0

 Year:
 1999

 County Code:
 38

 Air Basin:
 SF

 Facility ID:
 4173

 Air District Name:
 BA

 SIC Code:
 4953

Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported

ection EDR ID Number

Database(s) EPA ID Number

#### **SANITARY FILL COMPANY (Continued)**

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: 9
Part. Matter 10 Micrometers & Smllr Tons/Yr: 5

 Year:
 2000

 County Code:
 38

 Air Basin:
 SF

 Facility ID:
 11552

 Air District Name:
 BA

 SIC Code:
 4212

Air District Name:

Community Health Air Pollution Info System:

Consolidated Emission Reporting Rule:

BAY AREA AQMD

Not reported

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 & Smllr Tons/Yr: 0

 Year:
 2000

 County Code:
 38

 Air Basin:
 SF

 Facility ID:
 4173

 Air District Name:
 BA

 SIC Code:
 4953

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: 9
Part. Matter 10 Micrometers & Smllr Tons/Yr: 5

 Year:
 2001

 County Code:
 38

 Air Basin:
 SF

 Facility ID:
 4173

 Air District Name:
 BA

 SIC Code:
 4953

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: 9

S100944223

Distance (ft.)Site Database(s) EPA ID Number

# SANITARY FILL COMPANY (Continued)

S100944223

**EDR ID Number** 

Part. Matter 10 Micrometers & Smllr Tons/Yr: 5

 Year:
 2001

 County Code:
 38

 Air Basin:
 SF

 Facility ID:
 11552

 Air District Name:
 BA

 SIC Code:
 4212

Air District Name:

Community Health Air Pollution Info System:

Consolidated Emission Reporting Rule:

BAY AREA AQMD

Not reported

Not reported

Total Organic Hydrocarbon Gases Tons/Yr:

Reactive Organic Gases Tons/Yr:

Carbon Monoxide Emissions Tons/Yr:

NOX - Oxides of Nitrogen Tons/Yr:

SOX - Oxides of Sulphur Tons/Yr:

Particulate Matter Tons/Yr:

O Darticulate Matter Tons/Yr:

Part. Matter 10 Micrometers & Smllr Tons/Yr:

 Year:
 2002

 County Code:
 38

 Air Basin:
 SF

 Facility ID:
 4173

 Air District Name:
 BA

 SIC Code:
 4953

Air District Name:

Community Health Air Pollution Info System:

Consolidated Emission Reporting Rule:

Not reported

Not reported

Total Organic Hydrocarbon Gases Tons/Yr:

Reactive Organic Gases Tons/Yr:

Carbon Monoxide Emissions Tons/Yr:

NOX - Oxides of Nitrogen Tons/Yr:

SOX - Oxides of Sulphur Tons/Yr:

Particulate Matter Tons/Yr:

9

Part. Matter 10 Micrometers & Smllr Tons/Yr:

5

 Year:
 2003

 County Code:
 38

 Air Basin:
 SF

 Facility ID:
 11552

 Air District Name:
 BA

 SIC Code:
 4212

Air District Name:

Community Health Air Pollution Info System:

Consolidated Emission Reporting Rule:

BAY AREA AQMD

Not reported

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 & Smllr Tons/Yr: 0

 Year:
 2003

 County Code:
 38

 Air Basin:
 SF

 Facility ID:
 4173

Distance (ft.)Site Database(s) EPA ID Number

# SANITARY FILL COMPANY (Continued)

S100944223

**EDR ID Number** 

Air District Name: BA SIC Code: 4953

Air District Name:

Community Health Air Pollution Info System:

Consolidated Emission Reporting Rule:

BAY AREA AQMD

Not reported

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: 9
Part. Matter 10 Micrometers & Smllr Tons/Yr: 5

 Year:
 2004

 County Code:
 38

 Air Basin:
 SF

 Facility ID:
 4173

 Air District Name:
 BA

 SIC Code:
 4953

**BAY AREA AQMD** Air District Name: Community Health Air Pollution Info System: Not reported Not reported Consolidated Emission Reporting Rule: Total Organic Hydrocarbon Gases Tons/Yr: 0.002 Reactive Organic Gases Tons/Yr: 0.0016734 Carbon Monoxide Emissions Tons/Yr: 0.006 NOX - Oxides of Nitrogen Tons/Yr: 0.028 SOX - Oxides of Sulphur Tons/Yr: 0.003 Particulate Matter Tons/Yr: 8.796 Part. Matter 10 Micrometers & Smllr Tons/Yr: 5.182064

 Year:
 2005

 County Code:
 38

 Air Basin:
 SF

 Facility ID:
 4173

 Air District Name:
 BA

 SIC Code:
 4953

**BAY AREA AQMD** Air District Name: Community Health Air Pollution Info System: Not reported Consolidated Emission Reporting Rule: Not reported Total Organic Hydrocarbon Gases Tons/Yr: .032 Reactive Organic Gases Tons/Yr: .0267744 Carbon Monoxide Emissions Tons/Yr: .088 NOX - Oxides of Nitrogen Tons/Yr: .405 SOX - Oxides of Sulphur Tons/Yr: .006 Particulate Matter Tons/Yr: 8.813 Part. Matter 10 Micrometers & Smllr Tons/Yr: 5.2189

 Year:
 2006

 County Code:
 38

 Air Basin:
 SF

 Facility ID:
 4173

 Air District Name:
 BA

 SIC Code:
 4953

Air District Name:

Community Health Air Pollution Info System:

Consolidated Emission Reporting Rule:

Not reported

Not reported

Total Organic Hydrocarbon Gases Tons/Yr: .018

Distance (ft.)Site Database(s) EPA ID Number

**BAY AREA AQMD** 

# SANITARY FILL COMPANY (Continued)

Air District Name:

S100944223

**EDR ID Number** 

Reactive Organic Gases Tons/Yr: .0150606
Carbon Monoxide Emissions Tons/Yr: .052
NOX - Oxides of Nitrogen Tons/Yr: .234
SOX - Oxides of Sulphur Tons/Yr: .004
Particulate Matter Tons/Yr: 8.802
Part. Matter 10 Micrometers & Smllr Tons/Yr: 5.208164

 Year:
 2007

 County Code:
 38

 Air Basin:
 SF

 Facility ID:
 4173

 Air District Name:
 BA

 SIC Code:
 4953

Community Health Air Pollution Info System: Not reported Consolidated Emission Reporting Rule: Not reported Total Organic Hydrocarbon Gases Tons/Yr: .016 Reactive Organic Gases Tons/Yr: .0133872 Carbon Monoxide Emissions Tons/Yr: .044 NOX - Oxides of Nitrogen Tons/Yr: .146 SOX - Oxides of Sulphur Tons/Yr: 0 Particulate Matter Tons/Yr: 9.009 Part. Matter 10 Micrometers & Smllr Tons/Yr: 5.382424

 Year:
 2008

 County Code:
 38

 Air Basin:
 SF

 Facility ID:
 4173

 Air District Name:
 BA

 SIC Code:
 4953

Air District Name:

Community Health Air Pollution Info System:
Consolidated Emission Reporting Rule:
Total Organic Hydrocarbon Gases Tons/Yr:

Reactive Organic Gases Tons/Yr:

BAY AREA AQMD
Not reported
Not reported
.01
.008367

Carbon Monoxide Emissions Tons/Yr: .025
NOX - Oxides of Nitrogen Tons/Yr: .066
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 8.9
Part. Matter 10 Micrometers & Smllr Tons/Yr: 5.285976

HWT:

Reg Num: 4899 Expiration Date: 02/28/2015

#### 7 RECOLOGY SAN FRANCISCO 501 TUNNEL SAN FRANCISCO, CA 94134

CA LUST S104493448
CA San Mateo Co. BI N/A

LUST:

 Region:
 STATE

 Global Id:
 T0608100817

 Latitude:
 37.708255012

 Longitude:
 -122.400776

 Case Type:
 LUST Cleanup Site

 Status:
 Completed - Case Closed

Status Date: 09/15/2006

Map ID Direction Distance Distance (ft.)Site

Distance
Distance (ft.)Site
Database(s) EPA ID Number

# RECOLOGY SAN FRANCISCO (Continued)

S104493448

**EDR ID Number** 

Lead Agency: SAN MATEO COUNTY LOP

Case Worker: JM

Local Agency: SAN MATEO COUNTY LOP

RB Case Number: 41-0877 LOC Case Number: 560025

File Location: Local Agency Warehouse

Potential Media Affect: Other Groundwater (uses other than drinking water)

Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0608100817

Contact Type: Local Agency Caseworker Contact Name: JACOB MADDEN

Organization Name: SAN MATEO COUNTY LOP
Address: 2000 ALAMEDA DE LAS PULGAS

City: SAN MATEO
Email: jmadden@smcgov.org

Phone Number: 6503726298

Global Id: T0608100817

Contact Type: Regional Board Caseworker

Contact Name: UUU

Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)

Address: 1515 CLAY ST SUITE 1400

City: OAKLAND
Email: Not reported
Phone Number: Not reported

Status History:

Global Id: T0608100817

Status: Open - Verification Monitoring

Status Date: 06/09/2003

Global Id: T0608100817

Status: Completed - Case Closed

Status Date: 09/15/2006

Global Id: T0608100817

Status: Open - Case Begin Date

Status Date: 12/09/1986

Global Id: T0608100817

Status: Open - Site Assessment

Status Date: 12/09/1986

Regulatory Activities:

 Global Id:
 T0608100817

 Action Type:
 RESPONSE

 Date:
 08/15/2003

Action: Monitoring Report - Quarterly

 Global Id:
 T0608100817

 Action Type:
 ENFORCEMENT

 Date:
 09/15/2006

Map ID
Direction
Distance

Distance (ft.)Site Database(s) EPA ID Number

#### **RECOLOGY SAN FRANCISCO (Continued)**

S104493448

**EDR ID Number** 

Action: Closure/No Further Action Letter - #20060915

 Global Id:
 T0608100817

 Action Type:
 ENFORCEMENT

 Date:
 11/10/2004

Action: Staff Letter - #20041110

 Global Id:
 T0608100817

 Action Type:
 ENFORCEMENT

 Date:
 06/09/2003

Action: Staff Letter - #20030609

 Global Id:
 T0608100817

 Action Type:
 ENFORCEMENT

 Date:
 05/01/2002

Action: Staff Letter - #20020501

 Global Id:
 T0608100817

 Action Type:
 ENFORCEMENT

 Date:
 03/03/2004

Action: Staff Letter - #20040303

 Global Id:
 T0608100817

 Action Type:
 ENFORCEMENT

 Date:
 11/17/1995

Action: Notice of Responsibility - #19951117

 Global Id:
 T0608100817

 Action Type:
 ENFORCEMENT

 Date:
 08/19/2002

Action: Staff Letter - #20020819

 Global Id:
 T0608100817

 Action Type:
 ENFORCEMENT

 Date:
 11/30/2005

Action: Warning Letter - #20051130

 Global Id:
 T0608100817

 Action Type:
 ENFORCEMENT

 Date:
 03/22/2006

Action: Staff Letter - #20060322

 Global Id:
 T0608100817

 Action Type:
 Other

 Date:
 01/01/1950

 Action:
 Leak Discovery

 Global Id:
 T0608100817

 Action Type:
 RESPONSE

 Date:
 02/15/2004

Action: Monitoring Report - Quarterly

 Global Id:
 T0608100817

 Action Type:
 RESPONSE

 Date:
 02/15/2005

Action: Monitoring Report - Quarterly

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

#### **RECOLOGY SAN FRANCISCO (Continued)**

S104493448

**EDR ID Number** 

 Global Id:
 T0608100817

 Action Type:
 RESPONSE

 Date:
 08/15/2004

Action: Monitoring Report - Quarterly

 Global Id:
 T0608100817

 Action Type:
 RESPONSE

 Date:
 03/01/2003

Action: Monitoring Report - Quarterly

 Global Id:
 T0608100817

 Action Type:
 RESPONSE

 Date:
 06/21/2003

Action: Soil and Water Investigation Report

 Global Id:
 T0608100817

 Action Type:
 RESPONSE

 Date:
 11/06/2003

Action: Electronic Reporting Submittal Due

 Global Id:
 T0608100817

 Action Type:
 RESPONSE

 Date:
 08/25/2004

Action: Soil and Water Investigation Workplan

Global Id: T0608100817
Action Type: RESPONSE
Date: 08/25/2004

Action: Electronic Reporting Submittal Due

 Global Id:
 T0608100817

 Action Type:
 RESPONSE

 Date:
 03/10/2005

Action: Other Report / Document

 Global Id:
 T0608100817

 Action Type:
 RESPONSE

 Date:
 09/22/2006

 Action:
 Unknown

 Global Id:
 T0608100817

 Action Type:
 RESPONSE

 Date:
 11/30/2005

Action: Other Report / Document

 Global Id:
 T0608100817

 Action Type:
 Other

 Date:
 01/01/1950

 Action:
 Leak Reported

SAN MATEO CO. LUST:

Region: SAN MATEO Facility ID: 560025

 Facility Status:
 9- Case Closed

 Global ID:
 T0608100817

 APN Number:
 005152030/ 040/ 280

rection EDR ID Number

# **RECOLOGY SAN FRANCISCO (Continued)**

S104493448

**EPA ID Number** 

Database(s)

Case Type: SAN MATEO CO. LUST EDR Link ID: SAN MATEO CO. LUST

San Mateo Co. BI:

Region: SAN MATEO Facility ID: FA0025630

Prog Element Code: GENERATES <27 GAL/YEAR

Record Id: PR0034558

Description: GENERATES <27 GAL/YEAR

Region: SAN MATEO Facility ID: FA0025630

Prog Element Code: STORES HAZ MAT >32000GAL, 240001LB, 112000FT3

Record Id: PR0034557

Description: STORES HAZ MAT >32000GAL, 224000LB, 112000CF

Region: SAN MATEO
Facility ID: FA0025630
Prog Element Code: 2354
Record Id: PR0036113

Description: TANK STOR CAP => 10,000 AND <100,000 GAL

Region: SAN MATEO
Facility ID: FA0025630
Prog Element Code: Not reported
Record Id: PR0065661
Description: Not reported

SANITARY FILL 501 TUNNEL AVE SAN FRANCISCO, CA 94134

7

CA LUST U003897171 CA UST N/A CA SWEEPS UST

#### SAN FRANCISCO CO. LUST:

Region: SAN FRANCISCO

Facility ID: 38-0362

Facility Status: Post remedial action monitoring

Case Number: 10567

Case Type: Other ground water affected

Release Date: 10/1/1986 Discovered Date: 10/1/1986 Substance: Waste Oil Substance Qty: Not reported How Discovered: Tank Closure Close Tank How Stopped: Report Date: 10/1/1986 Case Closed: Not reported Closed Date: 7/25/1995 Leak Source: Tank

Leak Cause: Structure Failure
Leak Confirmed: Not reported
Entered Date: 12/5/1995
Number of Wells: Not reported

Regional Board: San Francisco Bay Region

Local Agency: 38000
Lead Agency: Local Agency
Program: LOP

Responsible Party: SANITARY FILL CO

Distance (ft.)Site Database(s) **EPA ID Number** 

**SANITARY FILL (Continued)** 

U003897171

**EDR ID Number** 

RP Address: Not reported Not reported Operator:

VΡ Staff Initial: Facility Staff: AL

Cross Street: **BEATTY RD** NOR Date: 12/5/1995 6/18/2002 MTBE Current: MTBE Current Date: 12/16/1998 MTBE: YES

Maximum MTBE Soil: Not reported Maximum MTBE GW: Not reported 12/16/1998 MTBE DATE: Review Date: 9/17/2002 Workplan Submitted: 4/10/1988 Assessment Underway: 2/28/1989 Pollution Characterization: Not reported Not reported Corrective Action Plan: Remediation Underway: Not reported Monitoring Begun: Not reported Funding: Federal

Interim Remediation: No

Priority: Low Priority Site

No Action Taken - no action has as yet been taken at the site Abatement:

**Enforcement Type:** Informal Enforcement Actions, including Notices of Violations and Staff Enforcement Letters

Enforcement Due Date: 8/17/2000 South Basin Basin:

Beneficial Use: No

Lat/Long: Not reported CUFID: Not reported Suspended:

No Stopped Date: 3/11/1990 Free Product: No

Depth to Grnd Wtr: Not reported Gradient: southerly Benzene: ND

Used oil (waste Primary Substance: Not reported **Enforcement Type:** Amount of Free Produce: Not reported Benzene Test: YES

Maximum Soil GW: Not reported Max Soil Concentration: Not reported

TPH Tested: YES

Max TPH GW: Not reported Not reported Max TPH Soil: TPH Date: 12/16/1997 Block: Not reported Lot: Not reported Notify: False TPH Current: Not reported TPH Current Date: 6/18/2002 Grnd Wtr Qualifier: Not reported Soil Qualifier: Not reported Comments: Not reported

SF-LOP is now lead Summary:

SAN FRANCISCO Region: Facility ID: 02-200-018

Distance (ft.)Site Database(s) EPA ID Number

# SANITARY FILL (Continued)

U003897171

**EDR ID Number** 

Facility Status: Case Closed Case Number: 11373

Case Type: Other ground water affected

Release Date: Not reported 8/26/1999 Discovered Date: Substance: Diesel Substance Qty: Not reported Tank Closure How Discovered: How Stopped: Close Tank Report Date: 10/11/1999 Case Closed: 2/8/2001 Closed Date: Not reported Leak Source: Tank Leak Cause: Unknown Leak Confirmed: 8/26/1999 **Entered Date:** 6/26/2000 Number of Wells: Not reported

Regional Board: San Francisco Bay Region

Local Agency: 38000
Lead Agency: Local Agency
Program: LOP

Responsible Party: Not reported RP Address: Not reported Operator: Maggie Johnson

VΡ Staff Initial: Facility Staff: ALCross Street: Beatty NOR Date: 6/26/2000 MTBE Current: Not reported 8/31/1999 MTBE Current Date: MTBE: YES Maximum MTBE Soil: 0.4

Maximum MTBE GW: Not reported 8/31/1999 MTBE DATE: Review Date: 2/1/801 Not reported Workplan Submitted: 8/1/2000 Assessment Underway: Pollution Characterization: Not reported Corrective Action Plan: Not reported Remediation Underway: Not reported Monitoring Begun: Not reported Federal Funding: Interim Remediation: No

Priority: Moderate Priority Site

Abatement: Excavate and Dispose - remove contaminated soil and dispose in

approved site

Enforcement Type: NOR
Enforcement Due Date: 6/26/2000
Basin: SOUTH BASIN

Beneficial Use: No

Lat/Long: Not reported CUFID: Not reported Suspended: No Stopped Date: 8/26/1999 Free Product: Not reported Depth to Grnd Wtr: Not reported Gradient: Not reported

Distance (ft.)Site Database(s) EPA ID Number

# SANITARY FILL (Continued)

U003897171

**EDR ID Number** 

Benzene: ND

Primary Substance: Not reported Enforcement Type: Not reported Amount of Free Produce: Not reported Benzene Test: YES

Maximum Soil GW: Not reported Max Soil Concentration: Not reported TPH Tested: YES

Max TPH GW: Not reported Max TPH Soil: 24000 8/31/1999 TPH Date: Block: Not reported Lot: Not reported Notify: False TPH Current: Not reported TPH Current Date: 9/10/2000 Grnd Wtr Qualifier: Not reported Soil Qualifier: Not reported Comments: Not reported Summary: site is on

Region: SAN FRANCISCO Facility ID: 02-200-020 Facility Status: Not reported Case Number: 11375 Case Type: Soil only Release Date: Not reported Discovered Date: 2/24/2000 Substance: Waste Oil Not reported Substance Qty: How Discovered: Tank Closure How Stopped: Close Tank Report Date: 2/24/2000 Case Closed: Not reported Closed Date: Not reported Leak Source: Piping Leak Cause: Unknown Leak Confirmed: 2/24/2000 **Entered Date:** 6/27/2000 Number of Wells: Not reported

Regional Board: San Francisco Bay Region

Local Agency: 38000
Lead Agency: Local Agency
Program: LOP

Responsible Party: Not reported
RP Address: Not reported
Operator: Maggie Johnson

Staff Initial: VP
Facility Staff: AL
Cross Street: Beatty
NOR Date: 6/27/2000
MTBE Current: Not reported
MTBE Current Date: 10/26/1999
MTBE: YES
Maximum MTBE Soil: 5

Maximum MTBE GW: Not reported MTBE DATE: 10/26/1999

Distance (ft.)Site Database(s) EPA ID Number

#### **SANITARY FILL (Continued)**

U003897171

**EDR ID Number** 

Review Date: 2/12/2002 Workplan Submitted: Not reported Not reported Assessment Underway: Not reported Pollution Characterization: Corrective Action Plan: Not reported Not reported Remediation Underway: Monitoring Begun: Not reported Funding: Federal Interim Remediation: No

Priority: Low Priority Site

Abatement: Excavate and Dispose - remove contaminated soil and dispose in

approved site

Enforcement Type: NOR
Enforcement Due Date: 6/27/2000
Basin: SOUTH BASIN

Beneficial Use: No

Lat/Long: Not reported CUFID: Not reported Suspended: No 2/24/2000 Stopped Date: Free Product: Not reported Depth to Grnd Wtr: Not reported Gradient: Not reported Benzene: Not reported Primary Substance: Not reported

Enforcement Type: Not reported Amount of Free Produce: Not reported Benzene Test: YES Maximum Soil GW: Not reported

Max Soil Concentration: Not reported YES

Max TPH GW: Not reported Max TPH Soil: 3400 10/26/1999 TPH Date: Block: Not reported Not reported Lot: Notify: False TPH Current: Not reported TPH Current Date: Not reported Grnd Wtr Qualifier: Not reported Soil Qualifier: Not reported Not reported Comments:

Region: SAN FRANCISCO

Facility ID: 38-1368

Summary:

Facility Status: Remedial action (cleanup) Underway

contaminated

Case Number: 10568

Case Type: Other ground water affected

9/28/1995 Release Date: Discovered Date: 10/25/1995 Substance: Gasoline Substance Qty: Not reported How Discovered: Not reported How Stopped: Not reported Report Date: 9/28/1995 Case Closed: Not reported

Distance (ft.)Site Database(s) EPA ID Number

#### **SANITARY FILL (Continued)**

U003897171

**EDR ID Number** 

Closed Date: Not reported
Leak Source: Tank
Leak Cause: Unknown
Leak Confirmed: Not reported
Entered Date: 12/5/1995
Number of Wells: Not reported

Regional Board: San Francisco Bay Region

Local Agency: 38000 Lead Agency: Local Agency Program: LOP

Responsible Party: SANITARY FILL CO.

RP Address: Not reported Operator: Not reported

Staff Initial: VP Facility Staff: AL

 Cross Street:
 BEATTY RD

 NOR Date:
 12/5/1995

 MTBE Current:
 7/28/2001

 MTBE Current Date:
 10/5/1995

 MTBE:
 YES

Maximum MTBE Soil: Not reported Maximum MTBE GW: Not reported MTBE DATE: 10/5/1995 Review Date: 2/12/2002 Workplan Submitted: Not reported Not reported Assessment Underway: Pollution Characterization: Not reported Corrective Action Plan: Not reported Remediation Underway: 12/5/1995 Monitoring Begun: Not reported

Funding: R Interim Remediation: No

Priority: Low Priority Site

Abatement: No Action Taken - no action has as yet been taken at the site

Enforcement Type: Informal Enforcement Actions, including Notices of Violations and Staff Enforcement Letters

Enforcement Due Date: 8/17/2000
Basin: South Basin
Beneficial Use: No

Lat/Long: Not reported CUFID: Not reported

Suspended: No

Stopped Date: Not reported

Free Product: No

Depth to Grnd Wtr:
Gradient:

Benzene:

Primary Substance:
Enforcement Type:
Amount of Free Produce:

Not reported
Gasoline
Not reported
Not reported
Not reported

Benzene Test: YES

Maximum Soil GW: Not reported Max Soil Concentration: Not reported TPH Tested: YES

Max TPH GW: Not reported
Max TPH Soil: Not reported
TPH Date: 10/5/1995
Block: Not reported

Distance (ft.)Site Database(s) EPA ID Number

# **SANITARY FILL (Continued)**

U003897171

**EDR ID Number** 

Lot: Not reported Notify: False TPH Current: Not reported TPH Current Date: 7/28/2001 Grnd Wtr Qualifier: Not reported Not reported Soil Qualifier: Not reported Comments: 9/28/95 [leak Summary:

UST:

Facility ID: 2093
Latitude: 37.709987
Longitude: -122.395754

Permitting Agency: SAN FRANCISCO COUNTY

SWEEPS UST:

Status: Not reported Comp Number: 2093 Number: Not reported Board Of Equalization: Not reported Referral Date: Not reported Action Date: Not reported Created Date: Not reported Not reported Owner Tank Id:

SWRCB Tank Id: 38-000-002093-000002

Tank Status: Not reported
Capacity: 2500
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: UNSPECIFIED

Number Of Tanks: 3

Not reported Status: 2093 Comp Number: Number: Not reported Board Of Equalization: Not reported Not reported Referral Date: Not reported Action Date: Created Date: Not reported Owner Tank Id: Not reported

SWRCB Tank Id: 38-000-002093-000004

Tank Status: Not reported

Capacity: 500

Active Date:

Tank Use:

STG:

Content:

Not reported
UNKNOWN
PRODUCT
UNSPECIFIED
Number Of Tanks:

Not reported

Status: Not reported
Comp Number: 2093
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported

Distance (ft.)Site Database(s) EPA ID Number

# SANITARY FILL (Continued)

U003897171

**EDR ID Number** 

Created Date: Not reported Owner Tank Id: Not reported

SWRCB Tank Id: 38-000-002093-000005

Tank Status: Not reported
Capacity: 3000
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: UNSPECIFIED
Number Of Tanks: Not reported

Status: Active
Comp Number: 2093
Number: 1

Board Of Equalization: Not reported Referral Date: 09-30-92 Action Date: 12-10-91 Created Date: 01-01-01 Owner Tank Id: Not reported

SWRCB Tank Id: 38-000-002093-000001

Tank Status: A
Capacity: 12000
Active Date: 09-30-92
Tank Use: UNKNOWN
STG: P
Content: DIESEL

Content: DIE Number Of Tanks: 4

Status: Active

Comp Number: 2093 Number: 1

Board Of Equalization: Not reported Referral Date: 09-30-92 Action Date: 12-10-91 Created Date: 01-01-01 Owner Tank Id: Not reported

SWRCB Tank Id: 38-000-002093-000003

 Tank Status:
 A

 Capacity:
 500

 Active Date:
 09-30-92

 Tank Use:
 OIL

 STG:
 W

Content: UNSPECIFIED Number Of Tanks: Not reported

Status: Active
Comp Number: 2093
Number: 1

Board Of Equalization: Not reported Referral Date: 09-30-92 Action Date: 12-10-91 Created Date: 01-01-01 Owner Tank Id: Not reported

SWRCB Tank ld: 38-000-002093-000006

Tank Status: A
Capacity: 2500
Active Date: 09-30-92

Distance (ft.)Site Database(s) EPA ID Number

# SANITARY FILL (Continued)

\_\_\_\_

**EDR ID Number** 

U003897171

Tank Use: M.V. FUEL

STG: P

Content: REG UNLEADED Number Of Tanks: Not reported

Status: Active Comp Number: 2093 Number: 1

Board Of Equalization: Not reported Referral Date: 09-30-92 Action Date: 12-10-91 Created Date: 01-01-01 Owner Tank Id: Not reported

SWRCB Tank ld: 38-000-002093-000007

Tank Status: A
Capacity: 2000
Active Date: 09-30-92
Tank Use: OIL
STG: W

Content: UNSPECIFIED Number Of Tanks: Not reported

#### 7 SANITARY FILL CO/SWETS SHOP 501 TUNNEL AVE SAN FRANCISCO, CA 94134

CA SWRCY S104732660 CA LUST N/A CA AST

SWRCY:

Reg Id: 25852

Cert Id: RC11758

Mailing Address: PO Box 881476

Mailing City: San Francisco

Mailing State: CA

Mailing Zip Code: 94188
Website: Not reported
Phone Number: (415) 330-1400

Grand Father: N Rural: N

Operation Begin Date: 08/01/2003
Aluminium: Y
Glass: Y

Glass: Y
Plastic: Y
Bimetal: Y
Agency: N/A
Monday Hours Of Operation: CLOSED

Tuesday Hours Of Operation:
Wednesday Hours Of Operation:
Thursday Hours Of Operation:
Friday Hours Of Operation:
Saturday Hours Of Operation:
Thursday Hours Of Operation:
Thursday Hours Of Operation:
Saturday Hours Of Operation:
Tion am - 3:00 pm; Closed 11:30 am - 12:00 pm
Tion am - 3:00 pm; Closed 11:30 am - 12:00 pm
Tion am - 3:00 pm; Closed 11:30 am - 12:00 pm
Tion am - 3:00 pm; Closed 11:30 am - 12:00 pm
Tion am - 3:00 pm; Closed 11:30 am - 12:00 pm
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Tion am - 3:00 pm; Closed 11:30 am - 12:00 pm
Tion am - 3:00 pm; Closed 11:30 am - 12:00 pm
Tion am - 3:00 pm; Closed 11:30 am - 12:00 pm
Tion am - 3:00 pm; Closed 11:30 am - 12:00 pm
Tion am - 3:00 pm; Closed 11:30 am - 12:00 pm
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Tion am - 3:00 pm; Closed 11:30 am - 12:00 pm
Tion am - 3:00 pm; Closed 11:30 am - 12:00 pm
Tion am - 3:00 pm; Closed 11:30 am - 12:00 pm
Tion am - 3:00 pm; Closed 11:30 am - 12:00 pm
Tion am - 3:00 pm; Closed 11:30 am - 12:00 pm

Sunday Hours Of Operation: CLOSED
Cert Status: Operational
Organization ID: 18913

Organization Name: Recology San Francisco

Agency Reg ID: N/A

Operation End Date: Not reported

LUST:

irection EDR ID Number

# SANITARY FILL CO/SWETS SHOP (Continued)

S104732660

**EPA ID Number** 

Database(s)

 Region:
 STATE

 Global Id:
 T0607500320

 Latitude:
 37.708724

 Longitude:
 -122.397035

 Case Type:
 LUST Cleanup Site

 Status:
 Completed - Case Closed

Status Date: 07/17/2009

Lead Agency: SAN FRANCISCO COUNTY LOP

Case Worker: AL

Local Agency: SAN FRANCISCO COUNTY LOP

RB Case Number: 38-0362 LOC Case Number: 10567 File Location: Not reported

Potential Media Affect: Other Groundwater (uses other than drinking water)

Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating

Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0607500320

Contact Type: Regional Board Caseworker

Contact Name: VIC PAL

Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)

Address: 1515 CLAY STREET, SUITE 1400

City: OAKLAND

Email: vpal@waterboards.ca.gov

Phone Number: Not reported

Global Id: T0607500320

Contact Type: Local Agency Caseworker

Contact Name: ALBERT LEE

Organization Name: SAN FRANCISCO COUNTY LOP Address: 1390 MARKET STREET, #210

City: SAN FRANCISCO
Email: albert.lee@sfdph.org

Phone Number: Not reported

Status History:

Global Id: T0607500320

Status: Open - Verification Monitoring

Status Date: 10/01/1986

Global Id: T0607500320

Status: Completed - Case Closed

Status Date: 07/17/2009

Global Id: T0607500320

Status: Open - Case Begin Date

Status Date: 10/01/1986

Regulatory Activities:

 Global Id:
 T0607500320

 Action Type:
 ENFORCEMENT

 Date:
 08/06/2008

 Action:
 Meeting

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

# SANITARY FILL CO/SWETS SHOP (Continued)

S104732660

**EDR ID Number** 

 Global Id:
 T0607500320

 Action Type:
 ENFORCEMENT

 Date:
 08/17/2000

 Action:
 Staff Letter

 Global Id:
 T0607500320

 Action Type:
 ENFORCEMENT

 Date:
 07/17/2009

Action: Closure/No Further Action Letter

 Global Id:
 T0607500320

 Action Type:
 RESPONSE

 Date:
 06/05/2009

Action: Verbal Communication

 Global Id:
 T0607500320

 Action Type:
 RESPONSE

 Date:
 12/17/2008

Action: Verbal Communication

 Global Id:
 T0607500320

 Action Type:
 RESPONSE

 Date:
 07/14/2009

Action: Site Assessment Report

 Global Id:
 T0607500320

 Action Type:
 ENFORCEMENT

 Date:
 12/23/2008

Action: LOP Case Closure Summary to RB

 Global Id:
 T0607500320

 Action Type:
 Other

 Date:
 01/01/1950

 Action:
 Leak Discovery

 Global Id:
 T0607500320

 Action Type:
 RESPONSE

 Date:
 10/02/2008

 Action:
 Correspondence

 Global Id:
 T0607500320

 Action Type:
 ENFORCEMENT

 Date:
 07/17/2009

Action: Closure/No Further Action Letter - #10567CCL

 Global Id:
 T0607500320

 Action Type:
 RESPONSE

 Date:
 12/12/2008

 Action:
 Correspondence

 Global Id:
 T0607500320

 Action Type:
 RESPONSE

 Date:
 02/20/2009

Action: Monitoring Report - Quarterly

Global Id: T0607500320
Action Type: ENFORCEMENT

ection EDR ID Number

Database(s)

**EPA ID Number** 

S104732660

# SANITARY FILL CO/SWETS SHOP (Continued)

Date: 07/24/2008 Action: File review

 Global Id:
 T0607500320

 Action Type:
 ENFORCEMENT

 Date:
 11/18/2008

Action: Technical Correspondence / Assistance / Other

 Global Id:
 T0607500320

 Action Type:
 RESPONSE

 Date:
 01/30/2009

 Action:
 Correspondence

 Global Id:
 T0607500320

 Action Type:
 RESPONSE

 Date:
 03/04/2009

Action: Monitoring Report - Quarterly

 Global Id:
 T0607500320

 Action Type:
 ENFORCEMENT

 Date:
 03/25/2009

Action: Technical Correspondence / Assistance / Other

Global Id: T0607500320
Action Type: ENFORCEMENT
Date: 06/09/2009

Action: Site Visit / Inspection / Sampling

 Global Id:
 T0607500320

 Action Type:
 ENFORCEMENT

 Date:
 06/01/2009

 Action:
 File review

 Global Id:
 T0607500320

 Action Type:
 Other

 Date:
 01/01/1950

 Action:
 Leak Reported

 Global Id:
 T0607500320

 Action Type:
 ENFORCEMENT

 Date:
 07/30/2008

 Action:
 File review

 Global Id:
 T0607500320

 Action Type:
 ENFORCEMENT

 Date:
 12/16/2008

 Action:
 File review

 Global Id:
 T0607500320

 Action Type:
 ENFORCEMENT

 Date:
 03/23/2009

Action: LOP Case Closure Summary to RB

LUST REG 2:

Region: 2

Facility Id: 38-0362

Virection EDR ID Number

# SANITARY FILL CO/SWETS SHOP (Continued)

S104732660

**EPA ID Number** 

Database(s)

Facility Status: Post remedial action monitoring

Case Number: 10567
How Discovered: Not reported
Leak Cause: Not reported
Leak Source: Not reported
Date Leak Confirmed: Not reported
Oversight Program: LUST

Prelim. Site Assesment Wokplan Submitted:
Preliminary Site Assesment Began:
Pollution Characterization Began:
Not reported
Date Remediation Action Underway:
Not reported
Date Post Remedial Action Monitoring Began: 10/1/1986

AST:

Owner: SF RECYCLING AND DISPOSAL

Total Gallons: 2,500 Certified Unified Program Agencies: San Francisco

7 SF HOUSEHOLD HAZ WASTE COLL FACILITY 501 TUNNEL AVE SAN FRANCISCO, CA 94134 RCRA-SQG 1000243970 CAD982335606

RCRA-SQG:

Date form received by agency: 09/01/1996

Facility name: SF HOUSEHOLD HAZ WASTE COLL FACILITY

Facility address: 501 TUNNEL AVE

SAN FRANCISCO, CA 94134

EPA ID: CAD982335606 Mailing address: TUNNEL AVE

SAN FRANCISCO, CA 94134

Contact: Not reported
Contact address: Not reported
Not reported
Contact country: Not reported

Contact country: Not reported
Contact telephone: Not reported
Contact email: Not reported
Contact email: Not reported

EPA Region: 09

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous

waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of

hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: SANITARY FILL CO
Owner/operator address: NOT REQUIRED

NOT REQUIRED, ME 99999

Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private

Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED

irection EDR ID Number

# SF HOUSEHOLD HAZ WASTE COLL FACILITY (Continued)

1000243970

**EPA ID Number** 

Database(s)

Owner/operator address: NOT REQUIRED

NOT REQUIRED, ME 99999

Owner/operator country:
Owner/operator telephone:
Legal status:
Owner/Operator Type:
Owner/Op start date:
Owner/Op end date:
Not reported
Not reported
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: No 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: Nο 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

7 SWETS 501 TUNNEL AVE SAN FRANCISCO, CA 94134 RCRA-SQG 10004 CA LUST CADS CA HIST UST CA CHMIRS

1000420508 CAD981666415

RCRA-SQG:

Date form received by agency: 09/01/1996 Facility name: SWETS

Facility address: 501 TUNNEL AVE

SAN FRANCISCO, CA 94134

EPA ID: CAD981666415 Mailing address: TUNNEL AVE

SAN FRANCISCO, CA 94134

Contact: Not reported
Contact address: Not reported
Not reported

Contact country: Not reported
Contact telephone: Not reported
Contact email: Not reported

EPA Region: 09

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of

hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of

hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: SUNSET SCAVENGER CO

Owner/operator address: NOT REQUIRED

Distance (ft.)Site Database(s) EPA ID Number

SWETS (Continued) 1000420508

NOT REQUIRED, ME 99999

Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
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:

Owner/operator telephone:

Legal status:

Owner/Operator Type:

Owner/Op start date:

Owner/Op end date:

Not reported

Not reported

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: No 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

LUST:

 Region:
 STATE

 Global Id:
 T0607594006

 Latitude:
 37.709039

 Longitude:
 -122.401572

 Case Type:
 LUST Cleanup Site

 Status:
 Completed - Case Closed

Status Date: 10/11/1999

Lead Agency: SAN FRANCISCO COUNTY LOP

Case Worker: Al

Local Agency: SAN FRANCISCO COUNTY LOP

RB Case Number: 38-2001 LOC Case Number: 11373 File Location: Not reported

Potential Media Affect: Other Groundwater (uses other than drinking water)

Potential Contaminants of Concern: Diesel Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Distance (ft.)Site Database(s) EPA ID Number

SWETS (Continued) 1000420508

Contact:

Global Id: T0607594006

Contact Type: Local Agency Caseworker

Contact Name: ALBERT LEE

Organization Name: SAN FRANCISCO COUNTY LOP Address: 1390 MARKET STREET, #210

City: SAN FRANCISCO Email: albert.lee@sfdph.org

Phone Number: Not reported

Global Id: T0607594006

Contact Type: Regional Board Caseworker

Contact Name: VIC PAL

Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)

Address: 1515 CLAY STREET, SUITE 1400

City: OAKLAND

Email: vpal@waterboards.ca.gov

Phone Number: Not reported

Status History:

Global Id: T0607594006

Status: Completed - Case Closed

Status Date: 10/11/1999

Global Id: T0607594006

Status: Open - Case Begin Date

Status Date: 08/26/1999

Regulatory Activities:

 Global Id:
 T0607594006

 Action Type:
 ENFORCEMENT

 Date:
 06/26/2000

Action: Notice of Responsibility

 Global Id:
 T0607594006

 Action Type:
 Other

 Date:
 01/01/1950

 Action:
 Leak Discovery

 Global Id:
 T0607594006

 Action Type:
 Other

 Date:
 01/01/1950

 Action:
 Leak Reported

Region: STATE
Global Id: T0607501254
Latitude: 37.708849
Longitude: -122.398144
Case Type: LUST Cleanup Site
Status: Completed - Case Closed

Status Date: 07/21/1995

Lead Agency: SAN FRANCISCO COUNTY LOP

Case Worker: AL

Local Agency: SAN FRANCISCO COUNTY LOP

RB Case Number: 38-1369

Distance (ft.)Site Database(s) EPA ID Number

SWETS (Continued) 1000420508

LOC Case Number: 10471
File Location: Not reported

Potential Media Affect: Soil

Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating

Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0607501254

Contact Type: Local Agency Caseworker

Contact Name: ALBERT LEE

Organization Name: SAN FRANCISCO COUNTY LOP Address: 1390 MARKET STREET, #210

City: SAN FRANCISCO Email: albert.lee@sfdph.org

Phone Number: Not reported

Global Id: T0607501254

Contact Type: Regional Board Caseworker

Contact Name: VIC PAL

Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)

Address: 1515 CLAY STREET, SUITE 1400

City: OAKLAND

Email: vpal@waterboards.ca.gov

Phone Number: Not reported

Status History:

Global Id: T0607501254

Status: Open - Case Begin Date

Status Date: 12/28/1994

Global Id: T0607501254

Status: Completed - Case Closed

Status Date: 07/21/1995

Regulatory Activities:

 Global Id:
 T0607501254

 Action Type:
 Other

 Date:
 01/01/1950

 Action:
 Leak Discovery

 Global Id:
 T0607501254

 Action Type:
 Other

 Date:
 01/01/1950

 Action:
 Leak Reported

 Region:
 STATE

 Global Id:
 T0607538367

 Latitude:
 37.708724

 Longitude:
 -122.397035

 Case Type:
 LUST Cleanup Site

 Status:
 Completed - Case Closed

Status Date: 03/31/2009

Lead Agency: SAN FRANCISCO COUNTY LOP

Case Worker: AL

Distance (ft.)Site Database(s) EPA ID Number

SWETS (Continued) 1000420508

Local Agency: SAN FRANCISCO COUNTY LOP

RB Case Number: 38-2003
LOC Case Number: 11375
File Location: Not reported

Potential Media Affect: Soil

Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating

Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0607538367

Contact Type: Local Agency Caseworker

Contact Name: ALBERT LEE

Organization Name: SAN FRANCISCO COUNTY LOP Address: 1390 MARKET STREET, #210

City: SAN FRANCISCO Email: albert.lee@sfdph.org

Phone Number: Not reported

Global Id: T0607538367

Contact Type: Regional Board Caseworker

Contact Name: VIC PAL

Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)

Address: 1515 CLAY STREET, SUITE 1400

City: OAKLAND

Email: vpal@waterboards.ca.gov

Phone Number: Not reported

Status History:

Global Id: T0607538367

Status: Open - Site Assessment

Status Date: 02/24/2000

Global Id: T0607538367

Status: Open - Case Begin Date

Status Date: 02/24/2000

Global Id: T0607538367

Status: Completed - Case Closed

Status Date: 03/31/2009

Regulatory Activities:

 Global Id:
 T0607538367

 Action Type:
 ENFORCEMENT

 Date:
 07/29/2008

 Action:
 File review

 Global Id:
 T0607538367

 Action Type:
 ENFORCEMENT

 Date:
 06/27/2000

Action: Notice of Responsibility

 Global Id:
 T0607538367

 Action Type:
 ENFORCEMENT

 Date:
 08/06/2008

 Action:
 Meeting

Distance (ft.)Site Database(s) EPA ID Number

SWETS (Continued) 1000420508

 Global Id:
 T0607538367

 Action Type:
 RESPONSE

 Date:
 12/17/2008

Action: Verbal Communication

 Global Id:
 T0607538367

 Action Type:
 ENFORCEMENT

 Date:
 12/12/2008

 Action:
 File review

Global Id: T0607538367
Action Type: ENFORCEMENT
Date: 01/30/2009

Action: Referral to Regional Board

 Global Id:
 T0607538367

 Action Type:
 Other

 Date:
 01/01/1950

 Action:
 Leak Discovery

 Global Id:
 T0607538367

 Action Type:
 ENFORCEMENT

 Date:
 03/31/2009

Action: Closure/No Further Action Letter

Global Id: T0607538367
Action Type: ENFORCEMENT
Date: 03/23/2009

Action: LOP Case Closure Summary to RB

 Global Id:
 T0607538367

 Action Type:
 Other

 Date:
 01/01/1950

 Action:
 Leak Reported

 Global Id:
 T0607538367

 Action Type:
 ENFORCEMENT

 Date:
 01/24/2007

 Action:
 File review

 Global Id:
 T0607538367

 Action Type:
 ENFORCEMENT

 Date:
 12/23/2008

Action: LOP Case Closure Summary to RB

 Global Id:
 T0607538367

 Action Type:
 RESPONSE

 Date:
 10/02/2008

 Action:
 Correspondence

 Global Id:
 T0607538367

 Action Type:
 ENFORCEMENT

 Date:
 12/16/2008

 Action:
 File review

Region: STATE

Distance (ft.)Site Database(s) EPA ID Number

SWETS (Continued) 1000420508

 Global Id:
 T0607501253

 Latitude:
 37.708849

 Longitude:
 -122.398144

 Case Type:
 LUST Cleanup Site

 Status:
 Completed - Case Closed

Status Date: 03/27/2009

Lead Agency: SAN FRANCISCO COUNTY LOP

Case Worker: AL

Local Agency: SAN FRANCISCO COUNTY LOP

RB Case Number: 38-1368
LOC Case Number: 10568
File Location: Not reported

Potential Media Affect: Other Groundwater (uses other than drinking water)

Potential Contaminants of Concern: Gasoline Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0607501253

Contact Type: Local Agency Caseworker

Contact Name: ALBERT LEE

Organization Name: SAN FRANCISCO COUNTY LOP Address: 1390 MARKET STREET, #210

City: SAN FRANCISCO
Email: albert.lee@sfdph.org

Phone Number: Not reported

Global Id: T0607501253

Contact Type: Regional Board Caseworker

Contact Name: VIC PAL

Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)

Address: 1515 CLAY STREET, SUITE 1400

City: OAKLAND

Email: vpal@waterboards.ca.gov

Phone Number: Not reported

Status History:

Global Id: T0607501253

Status: Completed - Case Closed

Status Date: 03/27/2009

Global Id: T0607501253

Status: Open - Case Begin Date

Status Date: 09/28/1995

Global Id: T0607501253
Status: Open - Remediation

Status Date: 09/28/1995

Regulatory Activities:

 Global Id:
 T0607501253

 Action Type:
 ENFORCEMENT

 Date:
 08/06/2008

 Action:
 Meeting

Global Id: T0607501253

Distance (ft.)Site Database(s) EPA ID Number

SWETS (Continued) 1000420508

Action Type: ENFORCEMENT
Date: 08/17/2000
Action: Staff Letter

 Global Id:
 T0607501253

 Action Type:
 ENFORCEMENT

 Date:
 07/30/2008

 Action:
 File review

 Global Id:
 T0607501253

 Action Type:
 ENFORCEMENT

 Date:
 01/30/2009

Action: Referral to Regional Board

 Global Id:
 T0607501253

 Action Type:
 ENFORCEMENT

 Date:
 12/12/2008

 Action:
 File review

 Global Id:
 T0607501253

 Action Type:
 Other

 Date:
 01/01/1950

 Action:
 Leak Discovery

 Global Id:
 T0607501253

 Action Type:
 RESPONSE

 Date:
 10/02/2008

 Action:
 Correspondence

Global Id: T0607501253
Action Type: ENFORCEMENT
Date: 03/23/2009

Action: LOP Case Closure Summary to RB

 Global Id:
 T0607501253

 Action Type:
 Other

 Date:
 01/01/1950

 Action:
 Leak Reported

 Global Id:
 T0607501253

 Action Type:
 ENFORCEMENT

 Date:
 12/16/2008

 Action:
 File review

 Global Id:
 T0607501253

 Action Type:
 ENFORCEMENT

 Date:
 03/27/2009

Action: Closure/No Further Action Letter

Global Id: T0607501253
Action Type: ENFORCEMENT
Date: 12/23/2008

Action: LOP Case Closure Summary to RB

LUST REG 2:

Region: 2

Distance (ft.)Site Database(s) EPA ID Number

SWETS (Continued) 1000420508

Facility Id: 38-1369 Facility Status: Case Closed Case Number: 10471 How Discovered: Not reported Leak Cause: Not reported Leak Source: Not reported Date Leak Confirmed: Not reported Oversight Program: LUST

Prelim. Site Assesment Wokplan Submitted:
Preliminary Site Assesment Began:
Pollution Characterization Began:
Pollution Remediation Plan Submitted:
Date Remediation Action Underway:
Not reported

Region: 2 Facility Id: 38-1368

Facility Status: Remedial action (cleanup) Underway

Case Number: 10568
How Discovered: Not reported
Leak Cause: Not reported
Leak Source: Not reported
Date Leak Confirmed: Not reported
Oversight Program: LUST

Prelim. Site Assesment Wokplan Submitted:
Preliminary Site Assesment Began:
Pollution Characterization Began:
Pollution Remediation Plan Submitted:
Date Remediation Action Underway:
Date Post Remedial Action Monitoring Began:
Not reported
9/28/1995
Not reported

Region: Facility Id: 38-2001 Facility Status: Case Closed Case Number: 11373 How Discovered: Not reported Leak Cause: Not reported Leak Source: Not reported Date Leak Confirmed: Not reported Oversight Program: LUST

Prelim. Site Assesment Wokplan Submitted: Not reported Preliminary Site Assesment Began: Not reported Pollution Characterization Began: Not reported Pollution Remediation Plan Submitted: Not reported Date Remediation Action Underway: Not reported Date Post Remedial Action Monitoring Began: Not reported

Region: 2

Facility Id: 38-2003

Facility Status: Preliminary site assessment underway

Case Number: 11375
How Discovered: Not reported
Leak Cause: Not reported
Leak Source: Not reported
Date Leak Confirmed: Not reported
Oversight Program: LUST

Prelim. Site Assesment Wokplan Submitted: Not reported

Distance (ft.)Site Database(s) EPA ID Number

SWETS (Continued) 1000420508

Preliminary Site Assesment Began: 2/24/2000
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Click this hyperlink while viewing on your computer to access -1 additional CA\_LUST\_R2: record(s) in the EDR Site Report.

#### SAN FRANCISCO CO. LUST:

SAN FRANCISCO Region: Facility ID: 38-1369 Facility Status: Case Closed Case Number: 10471 Soil only Case Type: Release Date: 12/28/1994 12/28/1994 Discovered Date: Substance: Waste Oil Substance Qty: Not reported How Discovered: Not reported How Stopped: Not reported Report Date: 12/28/1994 Case Closed: 7/21/1995 Closed Date: 7/21/1995

Leak Source: Unknown
Leak Cause: Unknown
Leak Confirmed: Not reported
Entered Date: 7/11/1995
Number of Wells: Not reported

Regional Board: San Francisco Bay Region

Local Agency: 38000 Lead Agency: Local Agency Program: LOP

Responsible Party: Not reported RP Address: Not reported Operator: Not reported Staff Initial: VP

Facility Staff: AL

Cross Street: BEATTY RD
NOR Date: 7/11/1995
MTBE Current: Not reported
MTBE Current Date: Not reported

MTBE: NT

Maximum MTBE Soil: Not reported Maximum MTBE GW: Not reported MTBE DATE: Not reported Review Date: Not reported Workplan Submitted: Not reported Assessment Underway: Not reported Pollution Characterization: Not reported Corrective Action Plan: Not reported Remediation Underway: Not reported Monitoring Begun: Not reported Funding: R

Interim Remediation: No

Priority: Not reported

Abatement: No Action Taken - no action has as yet been taken at the site

Distance (ft.)Site Database(s) **EPA ID Number** 

SWETS (Continued) 1000420508

**Enforcement Type:** NOR Enforcement Due Date: Not reported South Basin Basin: Beneficial Use: No

Lat/Long: Not reported

CUFID: Not reported Suspended: No

Stopped Date:

Not reported

Free Product: No

Depth to Grnd Wtr: Not reported Gradient: Not reported Benzene: Not reported Primary Substance: Used oil (waste **Enforcement Type:** Not reported Amount of Free Produce: Not reported Benzene Test: Not reported Maximum Soil GW: Not reported Max Soil Concentration: Not reported TPH Tested: Not reported Max TPH GW: Not reported Max TPH Soil: Not reported TPH Date: Not reported Block: Not reported Lot: Not reported Notify: False TPH Current: Not reported TPH Current Date: Not reported Grnd Wtr Qualifier: Not reported Soil Qualifier: Not reported Not reported Comments: 1/23/95 [leak Summary:

# HIST UST:

STATE Region: 0000001728 Facility ID: Other Facility Type: Other Type: Not reported Total Tanks: 0006 Contact Name: Not reported 4154672430 Telephone: **SWETS** Owner Name:

Owner Address: **501 TUNNEL AVENUE** Owner City, St, Zip: SAN FRANCISCO, CA 94134

Tank Num: 001 Container Num: 1 Year Installed: 1970 00012000 Tank Capacity: **PRODUCT** Tank Used for: Type of Fuel: DIESEL Tank Construction: 1/4 inches Leak Detection: None

002 Tank Num: Container Num: 2 Year Installed: 1970 00002500 Tank Capacity:

Distance (ft.)Site Database(s) EPA ID Number

#### SWETS (Continued)

1000420508

**EDR ID Number** 

Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Tank Construction: 1/4 inches
Leak Detection: None

003 Tank Num: Container Num: ЗА Year Installed: 1970 Tank Capacity: 00000500 Tank Used for: **PRODUCT** Type of Fuel: WASTE OIL Tank Construction: 12 gauge Leak Detection: None

Tank Num: 004 Container Num: 3B 1970 Year Installed: 00000500 Tank Capacity: Tank Used for: **PRODUCT** Type of Fuel: WASTE OIL Tank Construction: 12 gauge Leak Detection: None

Tank Num: 005 Container Num: 3C Year Installed: 1970 Tank Capacity: 00000500 Tank Used for: **PRODUCT** Type of Fuel: WASTE OIL Tank Construction: 12 gauge Leak Detection: None

Tank Num: 006
Container Num: 1
Year Installed: 1970
Tank Capacity: 00002500
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: 1/4 inches
Leak Detection: Visual

# CHMIRS:

**OES Incident Number:** 00-3811 OES notification: 08/23/2000 OES Date: Not reported **OES Time:** Not reported Incident Date: Not reported **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 Not reported Surrounding Area: **Estimated Temperature:** Not reported **Property Management:** Not reported

More Than Two Substances Involved?: Not reported

Distance (ft.)Site Database(s) EPA ID Number

SWETS (Continued) 1000420508

Resp Agncy Personel # Of Decontaminated:
Responding Agency Personel # Of Injuries:
Responding Agency Personel # Of Fatalities:
Others Number Of Decontaminated:
Others Number Of Injuries:
Others Number Of Fatalities:
Not reported
Not reported
Not reported
Not reported
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 Not reported Company Name: Reporting Officer Name/ID: Not reported Report Date: Not reported Comments: Not reported Facility Telephone: Not reported Waterway Involved: No

Waterway: Not reported Spill Site: Not reported Cleanup By: Unknown Containment: Not reported What Happened: Not reported Type: Not reported

Type: Not reported Measure: Not reported Other: Not reported Date/Time: Not reported Year: 2000

Agency: Sanitary Fill Company Incident Date: 8/23/200012:00:00 AM

Admin Agency: San Francisco County Health Department

Amount: Not reported
Contained: Unknown
Site Type: Other
E Date: Not reported
Substance: diesel fuel
Quantity Released: Not reported

BBLS: Cups: 0 CUFT: 0 Gallons: 275 Grams: 0 Pounds: 0 Liters: 0 Ounces: 0 Pints: 0 Quarts: 0 Sheen: Tons: 0 Unknown: 0 0 Evacuations: Number of Injuries: 0 Number of Fatalities:

Description: R/P was putting in light poles, they cut a hole in the concrete with

a backhoe about 5' down and noticed diesel fuel. They started to pump it and have filled several barrels. It is coming from unknown source.

Direction EDR ID Number

Database(s)

**EPA ID Number** 

8 P & F DISTRIBUTORS CA LUST S103892145
511 TUNNEL CA San Mateo Co. BI N/A
BRISBANE, CA 94005

LUST:

Region: STATE
Global Id: T0608192688
Latitude: 37.706576024
Longitude: -122.40104
Case Type: LUST Cleanup Site
Status: Completed - Case Closed

Status Date: 08/30/2004

Lead Agency: SAN MATEO COUNTY LOP

Case Worker: JM

Local Agency: SAN MATEO COUNTY LOP

RB Case Number: 41-1247 LOC Case Number: 560030

File Location: Local Agency Warehouse

Potential Media Affect: Other Groundwater (uses other than drinking water)

Potential Contaminants of Concern: Gasoline Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0608192688

Contact Type: Local Agency Caseworker Contact Name: JACOB MADDEN

Organization Name: SAN MATEO COUNTY LOP
Address: 2000 ALAMEDA DE LAS PULGAS

City: SAN MATEO Email: jmadden@smcgov.org

Phone Number: 6503726298

Global Id: T0608192688

Contact Type: Regional Board Caseworker

Contact Name: UUU

Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)

Address: 1515 CLAY ST SUITE 1400

City: OAKLAND
Email: Not reported
Phone Number: Not reported

Status History:

Global Id: T0608192688

Status: Open - Verification Monitoring

Status Date: 06/29/1999

Global Id: T0608192688

Status: Completed - Case Closed

Status Date: 08/30/2004

Global Id: T0608192688

Status: Open - Case Begin Date

Status Date: 06/29/1999

Regulatory Activities:

Global ld: T0608192688
Action Type: ENFORCEMENT

Distance (ft.)Site Database(s) EPA ID Number

#### P & F DISTRIBUTORS (Continued)

S103892145

**EDR ID Number** 

Date: 08/30/2004

Action: Closure/No Further Action Letter - #20040830

 Global Id:
 T0608192688

 Action Type:
 ENFORCEMENT

 Date:
 02/26/2004

Action: Staff Letter - #20040226

 Global Id:
 T0608192688

 Action Type:
 ENFORCEMENT

 Date:
 11/27/2002

Action: Staff Letter - #20021127

Global Id: T0608192688
Action Type: ENFORCEMENT
Date: 09/07/1999

Action: Notice of Responsibility - #1

 Global Id:
 T0608192688

 Action Type:
 RESPONSE

 Date:
 02/15/2004

Action: Monitoring Report - Quarterly

 Global Id:
 T0608192688

 Action Type:
 RESPONSE

 Date:
 08/15/2003

Action: Monitoring Report - Quarterly

 Global Id:
 T0608192688

 Action Type:
 RESPONSE

 Date:
 11/15/2003

Action: Monitoring Report - Quarterly

 Global Id:
 T0608192688

 Action Type:
 RESPONSE

 Date:
 08/26/2004

 Action:
 Unknown

 Global Id:
 T0608192688

 Action Type:
 Other

 Date:
 01/01/1950

 Action:
 Leak Reported

#### LUST REG 2:

Region: 2

Facility Id: Not reported Facility Status: Case Closed 560030 Case Number: How Discovered: ОМ Leak Cause: Unknown Leak Source: Unknown Date Leak Confirmed: Not reported Oversight Program: LUST

Prelim. Site Assesment Wokplan Submitted: Not reported Preliminary Site Assesment Began: Not reported Pollution Characterization Began: Not reported

irection EDR ID Number

Database(s) EPA ID Number

## P & F DISTRIBUTORS (Continued)

S103892145

Pollution Remediation Plan Submitted: Not reported Date Remediation Action Underway: Not reported Date Post Remedial Action Monitoring Began: 1/1/1965

SAN MATEO CO. LUST:

Region: SAN MATEO
Facility ID: 560030
Facility Status: 9- Case Closed
Global ID: T0608192688

APN Number: 005152300

Case Type: SAN MATEO CO. LUST EDR Link ID: SAN MATEO CO. LUST

San Mateo Co. BI:

Region: SAN MATEO Facility ID: FA0025272

Prog Element Code: GENERATES <27 GAL/YEAR

Record Id: PR0034409

Description: GENERATES <27 GAL/YEAR

Region: SAN MATEO Facility ID: FA0025272

Prog Element Code: STORES MV FUELS OR WASTE ONLY

Record Id: PR0039936

Description: STORES MV FUELS OR WASTE ONLY

Region: SAN MATEO Facility ID: FA0025272

Prog Element Code: UNDERGROUND TANK - GENERAL

Record Id: PR0033616

Description: UNDERGROUND TANK - GENERAL

9 BRISBANE BAYLANDS BAYSHORE BOULEVARD BRISBANE, CA 94005 CA SLIC \$109521330 N/A

SLIC:

Region: STATE

Facility Status: Open - Assessment & Interim Remedial Action

 Status Date:
 07/28/2008

 Global Id:
 T1000000103

Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)

Lead Agency Case Number:

Latitude:

Longitude:

Case Type:

Not reported
37.7018015762118
-122.405633926392
Cleanup Program Site

Case Worker: VP

Local Agency: Not reported

RB Case Number:

File Location: Regional Board

Potential Media Affected: Other Groundwater (uses other than drinking water)

Potential Contaminants of Concern: Chromium

Site History: The site includes OU-1 and OU-2. The property was used as a

railroad-switching yard from the early 1900's to 1963. Coach and freight car repairs were conducted at the site. Sunquest purchased the property in 1989. Groundwater underneath the site is impacted with volatile organic compounds (VOCs). A groundwater extraction

Direction EDR ID Number

**BRISBANE BAYLANDS (Continued)** 

S109521330

**EPA ID Number** 

Database(s)

treatment system to remediate impacted groundwater has been in operation since October 1994.

Click here to access the California GeoTracker records for this facility:

10 WESTERN ART STONE CA LUST 1002847875 541 TUNNEL AVE N/A

BRISBANE, CA 94005

LUST:

 Region:
 STATE

 Global Id:
 T0608100617

 Latitude:
 37.704884

 Longitude:
 -122.399391

 Case Type:
 LUST Cleanup Site

 Status:
 Completed - Case Closed

Status Date: 08/17/1992

Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)

Case Worker: Not reported

Local Agency: SAN MATEO COUNTY LOP

RB Case Number: 41-0646
LOC Case Number: 560012
File Location: Not reported

Potential Media Affect: Other Groundwater (uses other than drinking water)

Potential Contaminants of Concern: Gasoline Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0608100617

Contact Type: Local Agency Caseworker Contact Name: JACOB MADDEN

Organization Name: SAN MATEO COUNTY LOP
Address: 2000 ALAMEDA DE LAS PULGAS

City: SAN MATEO
Email: jmadden@smcgov.org

Phone Number: 6503726298

Status History:

Global Id: T0608100617

Status: Open - Case Begin Date

Status Date: 01/11/1989

Global Id: T0608100617

Status: Open - Site Assessment

Status Date: 01/02/1990

Global Id: T0608100617

Status: Completed - Case Closed

Status Date: 08/17/1992

Regulatory Activities:

Global Id: T0608100617

Action Type: Other

Date: 01/01/1950

Action: Leak Discovery

Distance (ft.)Site Database(s) EPA ID Number

## WESTERN ART STONE (Continued)

1002847875

**EDR ID Number** 

 Global Id:
 T0608100617

 Action Type:
 Other

 Date:
 01/01/1950

 Action:
 Leak Reported

 Global Id:
 T0608100617

 Action Type:
 Other

 Date:
 01/01/1950

 Action:
 Leak Stopped

LUST REG 2:

Region: 2

Facility Id: 41-0646
Facility Status: Case Closed
Case Number: 560012
How Discovered: Tank Closure
Leak Cause: Structure Failure

Leak Source: Tank
Date Leak Confirmed: Not reported
Oversight Program: LUST

Prelim. Site Assesment Wokplan Submitted:
Preliminary Site Assesment Began:
Pollution Characterization Began:
Pollution Remediation Plan Submitted:
Date Remediation Action Underway:
Not reported
Not reported
Not reported
Not reported
Not reported
Not reported

#### 10 WESTERN ART STONE COMPANY INC 541 TUNNEL AVE BRISBANE, CA 94005

CA HIST CORTESE S100225403
CA SWEEPS UST N/A
CA Notify 65
CA San Mateo Co. BI

HIST CORTESE:

Region: CORTESE
Facility County Code: 41
Reg By: LTNKA
Reg Id: 41-0646

SWEEPS UST:

Status: Not reported 560004 Comp Number: Number: Not reported Board Of Equalization: Not reported Referral Date: Not reported Not reported Action Date: Not reported Created Date: Not reported Owner Tank Id:

SWRCB Tank Id: 41-000-560004-000001

Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED

Number Of Tanks: 2

ection EDR ID Number

Database(s) EPA ID Number

#### WESTERN ART STONE COMPANY INC (Continued)

S100225403

Status: Not reported 560004 Comp Number: Number: Not reported Board Of Equalization: Not reported Referral Date: Not reported Not reported Action Date: Created Date: Not reported Not reported Owner Tank Id:

SWRCB Tank ld: 41-000-560004-000002

Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

Notify 65:

Date Reported: Not reported Staff Initials: Not reported Board File Number: Not reported Facility Type: Not reported Discharge Date: Not reported Incident Description: 92201

San Mateo Co. BI:

Region: SAN MATEO Facility ID: FA0024389

Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT

Record Id: PR0029040

Description: GENERATES & RECYCLES WASTE OIL/SOLVENT

#### 10 NORCAL-CHET C. SMITH TRUCKING 515 TUNNEL BRISBANE, CA 94005

CA LUST S103396173 N/A

LUST REG 2:

Region: 2 Facility Id: 41-0198

Facility Status: Preliminary site assessment underway

Case Number: 560011
How Discovered: OM
Leak Cause: Unknown
Leak Source: Unknown
Date Leak Confirmed: Not reported
Oversight Program: LUST

Prelim. Site Assesment Wokplan Submitted:
Preliminary Site Assesment Began:
Pollution Characterization Began:
Pollution Remediation Plan Submitted:
Not reported
Date Remediation Action Underway:
Not reported
Date Post Remedial Action Monitoring Began: Not reported

Distance (ft.)Site

10 NORCAL-CHET C. SMITH TRUCKING Database(s)

**CA LUST** 

**EPA ID Number** 

S104493451

N/A

**EDR ID Number** 

**515 TUNNEL BRISBANE, CA 94005** 

LUST:

STATE Region: Global Id: T0608100189 37.705988 Latitude: Longitude: -122.399535 Case Type: **LUST Cleanup Site** Status: Completed - Case Closed

Status Date: 01/07/2005

SAN MATEO COUNTY LOP Lead Agency:

Case Worker: JM

SAN MATEO COUNTY LOP Local Agency:

RB Case Number: 41-0198 LOC Case Number: 560011

File Location: Local Agency Warehouse

Potential Media Affect: Other Groundwater (uses other than drinking water)

Potential Contaminants of Concern: Diesel Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0608100189

Contact Type: Local Agency Caseworker Contact Name: JACOB MADDEN

Organization Name: SAN MATEO COUNTY LOP

Address: 2000 ALAMEDA DE LAS PULGAS

City: SAN MATEO Email: jmadden@smcgov.org

Phone Number: 6503726298

Global Id: T0608100189

Contact Type: Regional Board Caseworker

Contact Name: UUU

Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)

Address: 1515 CLAY ST SUITE 1400

City: OAKLAND Email: Not reported Phone Number: Not reported

Status History:

Global Id: T0608100189

Status: Open - Case Begin Date

12/20/1988 Status Date:

Global Id: T0608100189

Status: Completed - Case Closed

Status Date: 01/07/2005

T0608100189 Global Id:

Status: Open - Site Assessment

Status Date: 12/20/1988

Regulatory Activities:

Global Id: T0608100189 Action Type: **RESPONSE** 

Map ID
Direction
Distance

Distance (ft.)Site Database(s) EPA ID Number

## NORCAL-CHET C. SMITH TRUCKING (Continued)

S104493451

**EDR ID Number** 

Date: 08/04/2003

Action: Soil and Water Investigation Workplan

 Global Id:
 T0608100189

 Action Type:
 RESPONSE

 Date:
 07/21/2003

Action: Electronic Reporting Submittal Due

 Global Id:
 T0608100189

 Action Type:
 RESPONSE

 Date:
 11/25/2003

Action: Soil and Water Investigation Report

 Global Id:
 T0608100189

 Action Type:
 RESPONSE

 Date:
 08/25/2004

 Action:
 Request for Closure

 Global Id:
 T0608100189

 Action Type:
 RESPONSE

 Date:
 06/01/2003

Action: Soil and Water Investigation Report

 Global Id:
 T0608100189

 Action Type:
 ENFORCEMENT

 Date:
 08/19/2003

Action: Staff Letter - #20030819

 Global Id:
 T0608100189

 Action Type:
 ENFORCEMENT

 Date:
 06/09/2003

Action: Staff Letter - #20030609

 Global Id:
 T0608100189

 Action Type:
 ENFORCEMENT

 Date:
 01/07/2005

Action: Closure/No Further Action Letter - #20040107

 Global Id:
 T0608100189

 Action Type:
 ENFORCEMENT

 Date:
 06/30/2004

Action: Staff Letter - #20040630

 Global Id:
 T0608100189

 Action Type:
 ENFORCEMENT

 Date:
 06/09/2003

Action: Staff Letter - #20030609B

Global Id: T0608100189
Action Type: ENFORCEMENT
Date: 12/31/1991

Action: Notice of Responsibility - #1

 Global Id:
 T0608100189

 Action Type:
 ENFORCEMENT

 Date:
 08/19/2002

Action: Staff Letter - #20020819

**EDR ID Number** 

Database(s) **EPA ID Number** 

## NORCAL-CHET C. SMITH TRUCKING (Continued)

S104493451

Global Id: T0608100189 Action Type: Other Date: 01/01/1950 Action: Leak Discovery

Global Id: T0608100189 Action Type: Other 01/01/1950 Date: Leak Reported Action:

SAN MATEO CO. LUST:

SAN MATEO Region: Facility ID: 560011 Facility Status: 9- Case Closed Global ID: T0608100189 APN Number: 005152330

Case Type: SAN MATEO CO. LUST EDR Link ID: SAN MATEO CO. LUST

10 NORCAL CHET C SMITH TRUCK **515 TUNNEL** 

CA HIST CORTESE S104972632 CA San Mateo Co. BI N/A

**BRISBANE, CA 94005** 

HIST CORTESE:

Region: **CORTESE** Facility County Code: 41 LTNKA Reg By: 41-0198 Reg Id:

San Mateo Co. BI:

Region: SAN MATEO Facility ID: FA0026156

Prog Element Code: STORES HAZ MAT <219GAL,1,999LB, 879FT3 Record Id: PR0037725

Description: STORES HAZ MAT <219GAL,1,999LB, 879CF

#### 10 **NORCAL-SUNSET SCAVENGER 0 TUNNEL & BEATTY**

**BRISBANE, CA 94005** 

CA LUST S105427658 N/A

LUST:

Region: STATE T0608101010 Global Id: Latitude: 37.707615312 Longitude: -122.398398399 Case Type: **LUST Cleanup Site** Status: Completed - Case Closed 01/16/2014 Status Date:

Lead Agency: SAN MATEO COUNTY LOP

Case Worker:

Local Agency: SAN MATEO COUNTY LOP

RB Case Number: 41-1100 550048 LOC Case Number: File Location: Not reported

Map ID Direction Distance Distance (ft.)Site

Distance
Distance (ft.)Site Database(s) EPA ID Number

## NORCAL-SUNSET SCAVENGER (Continued)

S105427658

**EDR ID Number** 

Potential Media Affect: Other Groundwater (uses other than drinking water)

Potential Contaminants of Concern: Diesel

Site History: Can be extracted from most recent report in Geotracker or at San

Mateo County offices if submitted prior to 2005, San Mateo County does not take responsibility for the accuracy of the statements made or any professional interpretations made in the referenced report.

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0608101010

Contact Type: Regional Board Caseworker

Contact Name: Cheryl L. Prowell

Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)

Address: 1515 Clay Street, Suite 1400

City: Oakland

Email: cprowell@waterboards.ca.gov

Phone Number: Not reported

Global Id: T0608101010

Contact Type: Local Agency Caseworker

Contact Name: JACOB MADDEN

Organization Name: SAN MATEO COUNTY LOP
Address: 2000 ALAMEDA DE LAS PULGAS

City: SAN MATEO Email: jmadden@smcgov.org

Phone Number: 6503726298

Status History:

Global Id: T0608101010

Status: Open - Verification Monitoring

Status Date: 02/23/1988

Global Id: T0608101010

Status: Completed - Case Closed

Status Date: 01/16/2014

Global Id: T0608101010

Status: Open - Eligible for Closure

Status Date: 03/29/2013

Global Id: T0608101010

Status: Open - Case Begin Date

Status Date: 02/23/1988

Regulatory Activities:

 Global Id:
 T0608101010

 Action Type:
 RESPONSE

 Date:
 07/11/2007

Action: Monitoring Report - Semi-Annually

 Global Id:
 T0608101010

 Action Type:
 ENFORCEMENT

 Date:
 08/05/2010

Action: Staff Letter - #20100805

Global Id: T0608101010

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

## NORCAL-SUNSET SCAVENGER (Continued)

S105427658

**EDR ID Number** 

Action Type: REMEDIATION Date: 01/01/1950

Action: Pump & Treat (P&T) Groundwater

 Global Id:
 T0608101010

 Action Type:
 REMEDIATION

 Date:
 01/01/1950

 Action:
 Excavation

 Global Id:
 T0608101010

 Action Type:
 REMEDIATION

 Date:
 01/01/1950

 Action:
 Excavation

 Global Id:
 T0608101010

 Action Type:
 RESPONSE

 Date:
 02/15/2007

Action: Monitoring Report - Quarterly

 Global Id:
 T0608101010

 Action Type:
 RESPONSE

 Date:
 02/15/2006

Action: Monitoring Report - Quarterly

 Global Id:
 T0608101010

 Action Type:
 RESPONSE

 Date:
 08/15/2005

Action: Monitoring Report - Quarterly

 Global Id:
 T0608101010

 Action Type:
 RESPONSE

 Date:
 09/07/2011

 Action:
 Correspondence

 Global Id:
 T0608101010

 Action Type:
 ENFORCEMENT

 Date:
 10/28/2009

Action: Staff Letter - #20091028

 Global Id:
 T0608101010

 Action Type:
 RESPONSE

 Date:
 01/15/2012

Action: Monitoring Report - Semi-Annually

 Global Id:
 T0608101010

 Action Type:
 RESPONSE

 Date:
 05/11/2006

Action: Electronic Reporting Submittal Due

 Global Id:
 T0608101010

 Action Type:
 RESPONSE

 Date:
 08/15/2007

Action: Monitoring Report - Semi-Annually

 Global Id:
 T0608101010

 Action Type:
 RESPONSE

 Date:
 02/15/2005

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

## NORCAL-SUNSET SCAVENGER (Continued)

S105427658

**EDR ID Number** 

Action: Monitoring Report - Quarterly

 Global Id:
 T0608101010

 Action Type:
 RESPONSE

 Date:
 02/15/2004

Action: Monitoring Report - Quarterly

 Global Id:
 T0608101010

 Action Type:
 RESPONSE

 Date:
 08/15/2003

Action: Monitoring Report - Quarterly

 Global Id:
 T0608101010

 Action Type:
 RESPONSE

 Date:
 08/15/2006

Action: Monitoring Report - Quarterly

 Global Id:
 T0608101010

 Action Type:
 RESPONSE

 Date:
 08/15/2004

Action: Monitoring Report - Quarterly

 Global Id:
 T0608101010

 Action Type:
 RESPONSE

 Date:
 03/01/2003

Action: Monitoring Report - Quarterly

 Global Id:
 T0608101010

 Action Type:
 RESPONSE

 Date:
 06/14/2003

Action: Soil and Water Investigation Report

 Global Id:
 T0608101010

 Action Type:
 RESPONSE

 Date:
 11/06/2003

Action: Electronic Reporting Submittal Due

 Global Id:
 T0608101010

 Action Type:
 RESPONSE

 Date:
 08/15/2007

Action: Interim Remedial Action Report

 Global Id:
 T0608101010

 Action Type:
 RESPONSE

 Date:
 04/28/2004

Action: Electronic Reporting Submittal Due

 Global Id:
 T0608101010

 Action Type:
 RESPONSE

 Date:
 04/28/2004

Action: Interim Remedial Action Report

Global Id: T0608101010
Action Type: RESPONSE
Date: 02/15/2005

Action: Interim Remedial Action Report

Map ID
Direction
Distance

Distance (ft.)Site Database(s) EPA ID Number

## NORCAL-SUNSET SCAVENGER (Continued)

S105427658

**EDR ID Number** 

 Global Id:
 T0608101010

 Action Type:
 RESPONSE

 Date:
 06/15/2008

Action: Monitoring Report - Semi-Annually

 Global Id:
 T0608101010

 Action Type:
 RESPONSE

 Date:
 01/15/2010

Action: Monitoring Report - Semi-Annually

 Global Id:
 T0608101010

 Action Type:
 RESPONSE

 Date:
 01/15/2008

Action: Monitoring Report - Semi-Annually

 Global Id:
 T0608101010

 Action Type:
 RESPONSE

 Date:
 01/15/2009

Action: Monitoring Report - Semi-Annually

Global Id: T0608101010
Action Type: RESPONSE
Date: 06/15/2010

Action: Monitoring Report - Semi-Annually

 Global Id:
 T0608101010

 Action Type:
 RESPONSE

 Date:
 06/15/2009

Action: Monitoring Report - Semi-Annually

 Global Id:
 T0608101010

 Action Type:
 RESPONSE

 Date:
 11/09/2010

 Action:
 Other Workplan

 Global Id:
 T0608101010

 Action Type:
 RESPONSE

 Date:
 03/07/2010

Action: Conceptual Site Model

 Global Id:
 T0608101010

 Action Type:
 RESPONSE

 Date:
 10/28/2011

Action: Soil and Water Investigation Report

 Global Id:
 T0608101010

 Action Type:
 RESPONSE

 Date:
 08/15/2005

Action: Interim Remedial Action Report

 Global Id:
 T0608101010

 Action Type:
 RESPONSE

 Date:
 10/09/2005

Action: Electronic Reporting Submittal Due

Global Id: T0608101010
Action Type: ENFORCEMENT

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

## NORCAL-SUNSET SCAVENGER (Continued)

S105427658

**EDR ID Number** 

Date: 03/28/2013 Action: Staff Letter

 Global Id:
 T0608101010

 Action Type:
 ENFORCEMENT

 Date:
 07/10/2013

Action: Staff Letter - #20130710

 Global Id:
 T0608101010

 Action Type:
 RESPONSE

 Date:
 01/15/2011

Action: Monitoring Report - Semi-Annually

 Global Id:
 T0608101010

 Action Type:
 ENFORCEMENT

 Date:
 07/07/2009

Action: Staff Letter - #20090707

 Global Id:
 T0608101010

 Action Type:
 Other

 Date:
 01/01/1950

 Action:
 Leak Discovery

 Global Id:
 T0608101010

 Action Type:
 REMEDIATION

 Date:
 01/01/1950

Action: Soil Vapor Extraction (SVE)

 Global Id:
 T0608101010

 Action Type:
 REMEDIATION

 Date:
 01/01/1950

Action: Free Product Removal

 Global Id:
 T0608101010

 Action Type:
 REMEDIATION

 Date:
 01/01/1950

 Action:
 Excavation

 Global Id:
 T0608101010

 Action Type:
 ENFORCEMENT

 Date:
 08/19/2002

Action: Staff Letter - #20020819

 Global Id:
 T0608101010

 Action Type:
 ENFORCEMENT

 Date:
 06/11/2007

Action: Warning Letter - #20070611

 Global Id:
 T0608101010

 Action Type:
 RESPONSE

 Date:
 06/15/2012

Action: Monitoring Report - Semi-Annually

 Global Id:
 T0608101010

 Action Type:
 RESPONSE

 Date:
 08/30/2004

Action: Interim Remedial Action Report

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

## NORCAL-SUNSET SCAVENGER (Continued)

S105427658

**EDR ID Number** 

 Global Id:
 T0608101010

 Action Type:
 RESPONSE

 Date:
 02/15/2006

Action: Interim Remedial Action Report

 Global Id:
 T0608101010

 Action Type:
 RESPONSE

 Date:
 08/15/2006

Action: Interim Remedial Action Report

 Global Id:
 T0608101010

 Action Type:
 RESPONSE

 Date:
 02/15/2007

Action: Interim Remedial Action Report

 Global Id:
 T0608101010

 Action Type:
 RESPONSE

 Date:
 10/15/2013

Action: Well Destruction Report

Global Id: T0608101010
Action Type: ENFORCEMENT
Date: 01/16/2014

Action: Closure/No Further Action Letter - #20140130

 Global Id:
 T0608101010

 Action Type:
 RESPONSE

 Date:
 11/17/2011

 Action:
 Correspondence

 Global Id:
 T0608101010

 Action Type:
 ENFORCEMENT

 Date:
 03/29/2013

Action: Notification - Preclosure - #20130329

 Global Id:
 T0608101010

 Action Type:
 REMEDIATION

 Date:
 01/01/1950

 Action:
 Excavation

 Global Id:
 T0608101010

 Action Type:
 REMEDIATION

 Date:
 01/01/1950

 Action:
 Excavation

 Global Id:
 T0608101010

 Action Type:
 REMEDIATION

 Date:
 01/01/1950

 Action:
 Excavation

 Global Id:
 T0608101010

 Action Type:
 ENFORCEMENT

 Date:
 03/03/2004

Action: Staff Letter - #20040303

Global Id: T0608101010
Action Type: ENFORCEMENT

Distance (ft.)Site Database(s) EPA ID Number

## NORCAL-SUNSET SCAVENGER (Continued)

S105427658

**EDR ID Number** 

Date: 04/11/2006

Action: Staff Letter - #20060411

 Global Id:
 T0608101010

 Action Type:
 ENFORCEMENT

 Date:
 06/09/2003

Action: Staff Letter - #20030609

 Global Id:
 T0608101010

 Action Type:
 ENFORCEMENT

 Date:
 09/09/2005

Action: Staff Letter - #20050909

 Global Id:
 T0608101010

 Action Type:
 ENFORCEMENT

 Date:
 04/24/2002

Action: Staff Letter - #20020424

 Global Id:
 T0608101010

 Action Type:
 ENFORCEMENT

 Date:
 07/21/1989

Action: Notice of Responsibility - #19890721

Global Id: T0608101010
Action Type: ENFORCEMENT
Date: 03/16/2011

Action: Staff Letter - #20110316

Global Id: T0608101010
Action Type: ENFORCEMENT
Date: 03/16/2011

Action: Staff Letter - #20110316

 Global Id:
 T0608101010

 Action Type:
 RESPONSE

 Date:
 06/15/2011

Action: Monitoring Report - Semi-Annually

 Global Id:
 T0608101010

 Action Type:
 RESPONSE

 Date:
 05/23/2011

Action: Soil and Water Investigation Workplan

 Global Id:
 T0608101010

 Action Type:
 Other

 Date:
 01/01/1950

 Action:
 Leak Reported

 Global Id:
 T0608101010

 Action Type:
 RESPONSE

 Date:
 11/05/2011

Action: CAP/RAP - Feasibility Study Report

Global Id: T0608101010
Action Type: ENFORCEMENT
Date: 08/25/2011

Action: Staff Letter - #20110825

Distance (ft.)Site Database(s) **EPA ID Number** 

## **NORCAL-SUNSET SCAVENGER (Continued)**

S105427658

**EDR ID Number** 

T0608101010 Global Id: **ENFORCEMENT** Action Type: 03/29/2013 Date:

LOP Case Closure Summary to RB Action:

LUST REG 2:

Region:

Facility Id: Not reported

Facility Status: Post remedial action monitoring

Case Number: 550048 How Discovered: OM Leak Cause: Unknown Leak Source: Unknown Date Leak Confirmed: Not reported LUST Oversight Program:

Prelim. Site Assesment Wokplan Submitted: Not reported Preliminary Site Assesment Began: Not reported Pollution Characterization Began: Not reported Pollution Remediation Plan Submitted: Not reported Date Remediation Action Underway: Not reported Date Post Remedial Action Monitoring Began: 1/1/1965

SAN MATEO CO. LUST:

Region: SAN MATEO Facility ID: 550048 Facility Status: 9- Case Closed T0608101010 Global ID: APN Number: 005152040

SAN MATEO CO. LUST Case Type: EDR Link ID: SAN MATEO CO. LUST

10 **MICHELUCCI & ASOCIATES 505 TUNNEL** 

**BRISBANE, CA 94005** 

LUST: Region: STATE

Global Id: T0608182606 Latitude: 37.707382 Longitude: -122.400768 Case Type: LUST Cleanup Site Status: Completed - Case Closed

07/16/1999 Status Date:

SAN MATEO COUNTY LOP Lead Agency:

Case Worker: JM

Local Agency: SAN MATEO COUNTY LOP

RB Case Number: 41-4034 LOC Case Number: 560029 File Location: Local Agency

Potential Media Affect: Other Groundwater (uses other than drinking water)

Potential Contaminants of Concern: Diesel Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

**CA LUST** 

CA San Mateo Co. BI

S104493449

N/A

Distance (ft.)Site Database(s) **EPA ID Number** 

## **MICHELUCCI & ASOCIATES (Continued)**

S104493449

**EDR ID Number** 

Global Id: T0608182606

Contact Type: Local Agency Caseworker Contact Name: JACOB MADDEN Organization Name: SAN MATEO COUNTY LOP

2000 ALAMEDA DE LAS PULGAS Address: City: SAN MATEO jmadden@smcgov.org

Email: Phone Number: 6503726298

Global Id: T0608182606

Contact Type: Regional Board Caseworker

Contact Name: UUŪ

Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)

Address: 1515 CLAY ST SUITE 1400

City: OAKLAND Email: Not reported Phone Number: Not reported

Status History:

Global Id: T0608182606

Status: Completed - Case Closed

07/16/1999 Status Date:

Global Id: T0608182606

Open - Case Begin Date Status:

12/09/1994 Status Date:

Regulatory Activities:

Global Id: T0608182606 Action Type: **ENFORCEMENT** Date: 06/14/1999

Action: Notice of Responsibility - #1

Global Id: T0608182606 Other Action Type: Date: 01/01/1950 Action: Leak Reported

LUST REG 2:

Region:

Facility Id: Not reported Case Closed Facility Status: Case Number: 560029 How Discovered: OM Leak Cause: Unknown Leak Source: Unknown Date Leak Confirmed: Not reported Oversight Program: LUST

Prelim. Site Assesment Wokplan Submitted: Not reported Preliminary Site Assesment Began: Not reported Pollution Characterization Began: Not reported Pollution Remediation Plan Submitted: Not reported Date Remediation Action Underway: Not reported Date Post Remedial Action Monitoring Began: Not reported

Map ID
Direction
EDR ID Number
Distance

Distance (ft.)Site Database(s) EPA ID Number

## **MICHELUCCI & ASOCIATES (Continued)**

S104493449

SAN MATEO CO. LUST:

 Region:
 SAN MATEO

 Facility ID:
 560029

 Facility Status:
 9- Case Closed

 Global ID:
 T0608182606

 APN Number:
 005152310

Case Type: SAN MATEO CO. LUST EDR Link ID: SAN MATEO CO. LUST

San Mateo Co. BI:

Region: SAN MATEO Facility ID: FA0025578

Prog Element Code: STORES HAZ MAT <219GAL,1,999LB, 879FT3

Record Id: PR0034423

Description: STORES HAZ MAT <219GAL,1,999LB, 879CF

11 BRISBANE RECYCLING CO INC 5 BEATTY RD

CA WDS S103662121 CA NPDES N/A CA San Mateo Co. BI

CA WDS:

**BRISBANE, CA 94005** 

Facility ID: San Francisco Bay 41I016295

Facility Type: Industrial - Facility that treats and/or disposes of liquid or

semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water

pumping.

Facility Status: Active - Any facility with a continuous or seasonal discharge that is

under Waste Discharge Requirements.

NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7

are assigned by the Regional Board

Subregion:

Facility Telephone: 6508778088 Facility Contact: MARTIN RYAN

Agency Name: SUNQUEST PROPERIES INC
Agency Address: 150 Executive Park Blvd
Agency City,St,Zip: San Francisco 941343303

Agency Contact: TED PENG
Agency Telephone: 4154686676
Agency Type: Private
SIC Code: 0

SIC Code 2: Not reported
Primary Waste Type: Not reported
Primary Waste: Not reported
Waste Type2: Not reported
Waste2: Not reported
Primary Waste Type: Not reported
Secondary Waste: Not reported
Secondary Waste Type: Not reported

Design Flow: 0
Baseline Flow: 0

Reclamation: Not reported POTW: Not reported

Treat To Water: Minor Threat to Water Quality. A violation of a regional board order

should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All purdo without a TTMO will be

to a major or minor threat. Not: All nurds without a TTWQ will be

Distance (ft.)Site Database(s) EPA ID Number

## **BRISBANE RECYCLING CO INC (Continued)**

S103662121

**EDR ID Number** 

considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to

represent no threat to water quality.

Complexity: Category C - Facilities having no waste treatment systems, such as

cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as

dairy waste ponds.

NPDES:

Npdes Number: CAS000001 Facility Status: Active Agency Id: Region: 2 Regulatory Measure Id: 406312 97-03-DWQ Order No: Regulatory Measure Type: Enrollee Place Id: Not reported WDID: 2 411022771 Program Type: Industrial Adoption Date Of Regulatory Measure: Not reported Effective Date Of Regulatory Measure: 08/09/2010 Expiration Date Of Regulatory Measure: Not reported Termination Date Of Regulatory Measure: Not reported

Discharge Name: Sunquest Propertiec Inc
Discharge Address: 150 Executive Park Blvd

Discharge City:

Discharge State:

Discharge Zip:

San Francisco
California
94134

Npdes Number: CAS000001 Facility Status: Active Agency Id: 0 Region: 2 407481 Regulatory Measure Id: Order No: 97-03-DWQ Enrollee Regulatory Measure Type: Place Id: Not reported WDID: 2 411022823 Program Type: Industrial Adoption Date Of Regulatory Measure: Not reported 09/14/2010 Effective Date Of Regulatory Measure: Expiration Date Of Regulatory Measure: Not reported Termination Date Of Regulatory Measure: Not reported

Discharge Name: Sunquest Properties Inc
Discharge Address: 150 Executive Park Blvd

Discharge City:

Discharge State:

Discharge Zip:

San Francisco
California
94134

San Mateo Co. BI:

Region: SAN MATEO Facility ID: FA0013896

Prog Element Code: ABOVE GROUND TANK/SPCC

Record Id: PR0036110

Distance (ft.)Site Database(s) EPA ID Number

## **BRISBANE RECYCLING CO INC (Continued)**

S103662121

**EDR ID Number** 

Description: ABOVE GROUND TANK/SPCC

Region: SAN MATEO Facility ID: FA0013896

Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT

Record Id: PR0025222

Description: GENERATES & RECYCLES WASTE OIL/SOLVENT

Region: SAN MATEO Facility ID: FA0013896

Prog Element Code: STORES HAZ MAT <15999GAL, 111999LB, 5599FT^3

Record Id: PR0031918

Description: STORES HAZ MAT <15999GAL, 111999LB, 5599CF

 Region:
 SAN MATEO

 Facility ID:
 FA0013896

 Prog Element Code:
 2354

 Record Id:
 PR0065665

Description: TANK STOR CAP => 10,000 AND <100,000 GAL

Region: SAN MATEO Facility ID: FA0025820

Prog Element Code: HAZARDOUS WASTE PROGRAM - GENERAL

Record Id: PR0035954

Description: HAZARDOUS WASTE PROGRAM - GENERAL

11 BRISBANE RECYCLING CO INC 5 BEATTY

CA AST A100339745 N/A

BRISBANE, CA 94005

AST:

Owner: Not reported Total Gallons: 1,320 Certified Unified Program Agencies: San Mateo

12 V+A AUTO REPAIR 2800 BAYSHORE BOULEVARD BRISBANE, CA 92201

Notify 65:

Date Reported: Not reported Staff Initials: Not reported Board File Number: Not reported Facility Type: Not reported Discharge Date: Not reported Incident Description: 92201

CA Notify 65 S100178975 N/A

Direction EDR ID Number

# 12 SF WATER DEPARTMENT (PG&E MARTIN) GENEVA AVENUE & BAYSHORE BLVD DALY CITY, CA 94014

CA VCP S106568328
CA ENVIROSTOR N/A

**EPA ID Number** 

Database(s)

VCP:

Facility ID: 41360101
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED

Acres: 1
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP

Lead Agency Description: DTSC - Site Cleanup Program

Project Manager: Not reported
Supervisor: Karen Toth
Division Branch: Cleanup Berkeley

 Site Code:
 201314

 Assembly:
 19

 Senate:
 11

Special Programs Code: Voluntary Cleanup Program

Status: No Further Action
Status Date: 06/26/2001
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 37.70511 / -122.4106
APN: NONE SPECIFIED

Past Use: MANUFACTURED GAS PLANT
Potential COC: 30003, 30019, 30272, 30550, 30593

Confirmed COC: 30550,30019,30003,30593

Potential Description: SOIL

Alias Name: PG&E MARTIN SERVICE CENTER OU-2

 Alias Type:
 Alternate Name

 Alias Name:
 110033608291

 Alias Type:
 EPA (FRS #)

 Alias Name:
 201314

Alias Type: Project Code (Site Code)

Alias Name: 41360093

Alias Type: Envirostor ID Number

Alias Name: 41360100

Alias Type: Envirostor ID Number

Alias Name: 41360101

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Voluntary Cleanup Consultation

Completed Date: 06/26/2001 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Voluntary Cleanup Agreement

Completed Date: 03/29/2000

Comments: The purpose of the VCA is for the Proponent, City and County of San

Francisco, Public Utilities Commission, San Francisco Water Department, to remove existing 44-inch diameter steel pipe; install a new 48-inch diameter steel pipe and venturi meter at the same location; construct a concrete vault around the venturi meter;

**EDR ID Number** 

## SF WATER DEPARTMENT (PG&E MARTIN) (Continued)

S106568328

**EPA ID Number** 

Database(s)

related excavation, backfill and removal of soil from site under the oversight of DTSC.

Future Area Name: Not reported Future Sub Area Name: Not reported Not reported Future Document Type: Not reported Future Due Date: Schedule Area Name: Not reported Schedule Sub Area Name: Not reported Schedule Document Type: Not reported Not reported Schedule Due Date: Not reported Schedule Revised Date:

**ENVIROSTOR:** 

Facility ID: 41360101 Status: No Further Action Status Date: 06/26/2001 Site Code: 201314

Site Type: Voluntary Cleanup Site Type Detailed: Voluntary Cleanup

Acres: NPL: NO Regulatory Agencies: **SMBRP SMBRP** Lead Agency: Program Manager: Not reported Supervisor: Karen Toth Division Branch: Cleanup Berkeley

Assembly: 19 Senate: 11

Voluntary Cleanup Program Special Program:

Restricted Use: NO

Site Mgmt Req: NONE SPECIFIED Funding: Responsible Party 37.70511 Latitude: Longitude: -122.4106

APN: NONE SPECIFIED

MANUFACTURED GAS PLANT Past Use:

Potential COC: Benzene Polynuclear aromatic hydrocarbons (PAHs Ethylbenzene Toluene

**Xylenes** 

Confirmed COC: Toluene Polynuclear aromatic hydrocarbons (PAHs Benzene Xylenes

Potential Description: SOIL

Alias Name: PG&E MARTIN SERVICE CENTER OU-2

Alias Type: Alternate Name Alias Name: 110033608291 EPA (FRS #) Alias Type: Alias Name: 201314

Alias Type: Project Code (Site Code)

41360093 Alias Name:

**Envirostor ID Number** Alias Type:

Alias Name: 41360100

**Envirostor ID Number** Alias Type:

Alias Name: 41360101

**Envirostor ID Number** Alias Type:

Completed Info:

PROJECT WIDE Completed Area Name: Completed Sub Area Name: Not reported

Map ID
Direction
EDR ID Number
Distance

Distance (ft.)Site Database(s) EPA ID Number

## SF WATER DEPARTMENT (PG&E MARTIN) (Continued)

Completed Document Type: Voluntary Cleanup Consultation

Completed Date: 06/26/2001 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Voluntary Cleanup Agreement

Completed Date: 03/29/2000

Comments: The purpose of the VCA is for the Proponent, City and County of San

Francisco, Public Utilities Commission, San Francisco Water Department, to remove existing 44-inch diameter steel pipe; install a new 48-inch diameter steel pipe and venturi meter at the same location; construct a concrete vault around the venturi meter; related excavation, backfill and removal of soil from site under the

oversight of DTSC.

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 Not reported Schedule Document Type: Schedule Due Date: Not reported Schedule Revised Date: Not reported

SOUTHERN PACIFIC TRANSPORTATION CO. - BRISBANE GENEVA AVENUE AND BAYSHORE BOULEVARD BRISBANE, CA 94005

CA HIST Cal-Sites S100833269
CA BOND EXP. PLAN N/A
CA Cortese
CA DEED
CA RESPONSE
CA ENVIROSTOR

S106568328

Calsite:

12

Region: BERKELEY Facility ID: 41490037

Facility Type: RP

Type: RESPONSIBLE PARTY

Branch: NC

Branch Name: NORTH COAST
File Name: Not reported
State Senate District: 10241996

Status: CERTIFIED OPERATION AND MAINTENANCE, ALL PLANNED ACTIVITIES

IMPLEMENTED, REMEDIATION CONTINUES

Status Name: CERTIFIED / OPERATION & MAINTENANCE
Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL

NPL: Not Listed SIC Code: 49

SIC Name: ELECTRIC, GAS & SANITARY SERVICES

Access: Uncontrolled Cortese: Not reported

Hazardous Ranking Score: Not reported
Date Site Hazard Ranked: Not reported
Groundwater Contamination: Confirmed
Staff Member Responsible for Site: VLASKY
Supervisor Responsible for Site: Not reported

Region Water Control Board: SF

Region Water Control Board Name: SAN FRANCISCO BAY

Distance (ft.)Site Database(s) EPA ID Number

## SOUTHERN PACIFIC TRANSPORTATION CO. - BRISBANE (Continued)

S100833269

**EDR ID Number** 

Lat/Long Direction:Not reportedLat/Long (dms):0 0 0 / 0 0 0Lat/long Method:Not reportedLat/Long Description:Not reported

State Assembly District Code:

State Senate District Code:

Facility ID:

Activity:

Activity Name:

AWP Code:

19

08

41490037

DISC

DISC

DISCOVERY

Not reported

Proposed Budget: 0

AWP Completion Date: Not reported Revised Due Date: Not reported Comments Date: 08011980

Est Person-Yrs to complete: 0

Estimated Size: Not reported Request to Delete Activity: Not reported Activity Status: COM

Definition of Status: CERTIFIED / OPERATION & MAINTENANCE

Liquids Removed (Gals): 0 Liquids Treated (Gals): 0

Action Included Capping:

Well Decommissioned:

Action Included Fencing:

Removal Action Certification:

Activity Comments:

Not reported

Not reported

Not reported

 For Commercial Reuse:
 0

 For Industrial Reuse:
 0

 For Residential Reuse:
 0

 Unknown Type:
 0

 Facility ID:
 41490037

 Activity:
 PPP

Activity Name: PUBLIC PARTICIPATION PLAN

AWP Code: Not reported

Proposed Budget: 0

AWP Completion Date: Not reported Revised Due Date: Not reported Comments Date: 04301986

Est Person-Yrs to complete: 0

Estimated Size: Not reported Request to Delete Activity: Not reported Activity Status: COM

Definition of Status: CERTIFIED / OPERATION & MAINTENANCE

Liquids Removed (Gals): 0 Liquids Treated (Gals): 0

Action Included Capping:

Well Decommissioned:

Action Included Fencing:

Removal Action Certification:

Activity Comments:

Not reported

Not reported

Not reported

For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 41490037
Activity: SS

Activity Name: SITE SCREENING

Distance

#### SOUTHERN PACIFIC TRANSPORTATION CO. - BRISBANE (Continued)

S100833269

Database(s)

**EDR ID Number** 

**EPA ID Number** 

AWP Code: Not reported

Proposed Budget:

AWP Completion Date: Not reported Revised Due Date: Not reported Comments Date: 03241987

Est Person-Yrs to complete:

Estimated Size: Not reported Request to Delete Activity: Not reported Activity Status: COM

Definition of Status: CERTIFIED / OPERATION & MAINTENANCE

Liquids Removed (Gals): 0 Liquids Treated (Gals): 0

Action Included Capping:

Well Decommissioned:

Action Included Fencing:

Removal Action Certification:

Activity Comments:

Not reported

Not reported

Not reported

Not reported

For Commercial Reuse:

For Industrial Reuse:

For Residential Reuse:

Unknown Type:

Facility ID:

Activity:

O

FRIFS

Activity Name: FOCUSED REMEDIAL INVESTIGATION/FEASIBILITY STUDY

AWP Code: TANK Proposed Budget: 0

AWP Completion Date: Not reported Revised Due Date: Not reported Comments Date: 08301988

Est Person-Yrs to complete: 0

Estimated Size: Not reported Request to Delete Activity: Not reported Activity Status: COM

Definition of Status: CERTIFIED / OPERATION & MAINTENANCE

Liquids Removed (Gals): 0 Liquids Treated (Gals): 0

Action Included Capping:
Well Decommissioned:
Action Included Fencing:
Removal Action Certification:
Activity Comments:
Not reported
Not reported
Not reported

For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 41490037

Activity: RA

Activity Name: REMOVAL ACTION

AWP Code: TANK Proposed Budget: 0

AWP Completion Date:

Revised Due Date:

Comments Date:

Not reported
Not reported
08301988

Est Person-Yrs to complete:

Estimated Size: Not reported Request to Delete Activity: Not reported Activity Status: COM

Map ID
Direction
EDR ID Number
Distance

Distance (ft.)Site Database(s) EPA ID Number

#### SOUTHERN PACIFIC TRANSPORTATION CO. - BRISBANE (Continued)

S100833269

Definition of Status: CERTIFIED / OPERATION & MAINTENANCE

Liquids Removed (Gals): 0 Liquids Treated (Gals): 0

Action Included Capping:

Well Decommissioned:

Action Included Fencing:

Removal Action Certification:

Activity Comments:

Not reported

Not reported

Not reported

Not reported

For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 41490037
Activity: ORDER

Activity Name: I/SE, IORSE, FFA, FFSRA, VCA, EA

AWP Code: Not reported

Proposed Budget: 0

AWP Completion Date: Not reported Revised Due Date: Not reported Comments Date: 02271989

Est Person-Yrs to complete: 0

Estimated Size: Not reported Request to Delete Activity: Not reported

Activity Status: COM
Definition of Status: CERTIFIED / OPERATION & MAINTENANCE

Liquids Removed (Gals): 0
Liquids Treated (Gals): 0

Action Included Capping:

Well Decommissioned:

Action Included Fencing:

Removal Action Certification:

Activity Comments:

Not reported

Not reported

Not reported

For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 41490037
Activity: FRIFS

Activity Name: FOCUSED REMEDIAL INVESTIGATION/FEASIBILITY STUDY

AWP Code: DITCH Proposed Budget: 0

AWP Completion Date:

Revised Due Date:

Comments Date:

Est Person-Yrs to complete:

Not reported
Not reported
06301989

06301989

Estimated Size: Not reported Request to Delete Activity: Not reported

Activity Status: COM

Definition of Status: CERTIFIED / OPERATION & MAINTENANCE

Liquids Removed (Gals): 0 Liquids Treated (Gals): 0

Action Included Capping:

Well Decommissioned:

Action Included Fencing:

Removal Action Certification:

Activity Comments:

Not reported

Not reported

Not reported

Not reported

For Commercial Reuse: 0

Distance

## SOUTHERN PACIFIC TRANSPORTATION CO. - BRISBANE (Continued)

S100833269

Database(s)

**EDR ID Number** 

**EPA ID Number** 

For Industrial Reuse:

For Residential Reuse:

Unknown Type:

Facility ID:

Activity:

O

41490037

Activity Name: REMOVAL ACTION

AWP Code: DITCH Proposed Budget: 0

AWP Completion Date: Not reported Revised Due Date: Not reported Comments Date: 06301989

Est Person-Yrs to complete:

Estimated Size: Not reported Request to Delete Activity: Not reported Activity Status: COM

Definition of Status: CERTIFIED / OPERATION & MAINTENANCE

Liquids Removed (Gals): 0 Liquids Treated (Gals): 0

Action Included Capping:

Well Decommissioned:

Action Included Fencing:

Removal Action Certification:

Activity Comments:

Not reported

Not reported

Not reported

 For Commercial Reuse:
 0

 For Industrial Reuse:
 0

 For Residential Reuse:
 0

 Unknown Type:
 0

 Facility ID:
 41490037

 Activity:
 ORDER

Activity Name: I/SE, IORSE, FFA, FFSRA, VCA, EA

AWP Code: ISE Proposed Budget: 0

AWP Completion Date:

Revised Due Date:

Comments Date:

Est Person-Yrs to complete:

Not reported
Not reported
02281990
02281990

Estimated Size: Not reported Request to Delete Activity: Not reported Activity Status: COM

Definition of Status: CERTIFIED / OPERATION & MAINTENANCE

Liquids Removed (Gals): 0 Liquids Treated (Gals): 0

Action Included Capping: Not reported Well Decommissioned: Not reported Action Included Fencing: Not reported Removal Action Certification: Not reported Activity Comments: Not reported

For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 41490037
Activity: RIFS

Activity Name: REMEDIAL INVESTIGATION / FEASIBILITY STUDY

AWP Code: Not reported

Proposed Budget: 0

AWP Completion Date: Not reported

Direction EDR ID Number sistance

#### SOUTHERN PACIFIC TRANSPORTATION CO. - BRISBANE (Continued)

S100833269

**EPA ID Number** 

Database(s)

Revised Due Date: Not reported Comments Date: 03061992 Est Person-Yrs to complete: 0

Estimated Size: Not reported Request to Delete Activity: Not reported

Activity Status: COM

Definition of Status: CERTIFIED / OPERATION & MAINTENANCE

Liquids Removed (Gals): 0 Liquids Treated (Gals): 0

Action Included Capping:

Well Decommissioned:

Action Included Fencing:

Removal Action Certification:

Activity Comments:

Not reported

Not reported

Not reported

Not reported

For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0

Facility ID: 41490037 Activity: ORDER

Activity Name: I/SE, IORSE, FFA, FFSRA, VCA, EA

AWP Code: AMEND Proposed Budget: 0

AWP Completion Date: Not reported Revised Due Date: Not reported Comments Date: 04211993

Est Person-Yrs to complete:

Estimated Size: Not reported Request to Delete Activity: Not reported Activity Status: COM

Definition of Status: CERTIFIED / OPERATION & MAINTENANCE

Liquids Removed (Gals): 0
Liquids Treated (Gals): 0

Action Included Capping:

Well Decommissioned:

Action Included Fencing:

Removal Action Certification:

Activity Comments:

Not reported

Not reported

Not reported

For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 41490

Facility ID: 41490037 Activity: CEQA

Activity Name: CEQA INCLUDING NEGATIVE DECS

AWP Code: NEG
Proposed Budget: 0

AWP Completion Date: Not reported Revised Due Date: Not reported Comments Date: 12301993

Est Person-Yrs to complete: 0

Estimated Size: Not reported Request to Delete Activity: Not reported Activity Status: COM

Definition of Status: CERTIFIED / OPERATION & MAINTENANCE

Liquids Removed (Gals): 0
Liquids Treated (Gals): 0

Distance (ft.)Site Database(s) EPA ID Number

#### SOUTHERN PACIFIC TRANSPORTATION CO. - BRISBANE (Continued)

S100833269

**EDR ID Number** 

Action Included Capping:

Well Decommissioned:

Action Included Fencing:

Removal Action Certification:

Activity Comments:

Not reported

Not reported

Not reported

Not reported

 For Commercial Reuse:
 0

 For Industrial Reuse:
 0

 For Residential Reuse:
 0

 Unknown Type:
 0

 Facility ID:
 41490037

 Activity:
 RAP

Activity Name: REMEDIAL ACTION PLAN / RECORD OF DECISION

AWP Code: NORTH Proposed Budget: 0

AWP Completion Date:

Revised Due Date:

Comments Date:

Est Person-Yrs to complete:

Not reported
Not reported
12301993

12301993

Estimated Size: Not reported Request to Delete Activity: Not reported

Activity Status: COM

Definition of Status: CERTIFIED / OPERATION & MAINTENANCE

Liquids Removed (Gals): 0 Liquids Treated (Gals): 0

Action Included Capping:

Well Decommissioned:

Action Included Fencing:

Removal Action Certification:

Activity Comments:

Not reported

Not reported

Not reported

Not reported

For Commercial Reuse: 0 For Industrial Reuse: 0 For Residential Reuse: 0 Unknown Type: 0 Facility ID: 41490037 DES Activity: Activity Name: **DESIGN** AWP Code: **NORTH** Proposed Budget:

AWP Completion Date:

Revised Due Date:

Comments Date:

Est Person-Yrs to complete:

Not reported
Not reported
01041994
01041994

Estimated Size: Not reported Request to Delete Activity: Not reported

Activity Status: COM

Definition of Status: CERTIFIED / OPERATION & MAINTENANCE

Liquids Removed (Gals): 0 Liquids Treated (Gals): 0

Action Included Capping:

Well Decommissioned:

Action Included Fencing:

Removal Action Certification:

Activity Comments:

Not reported

Not reported

Not reported

Not reported

For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0

Distance (ft.)Site Database(s) EPA ID Number

#### SOUTHERN PACIFIC TRANSPORTATION CO. - BRISBANE (Continued)

S100833269

**EDR ID Number** 

Facility ID: 41490037

Activity: RA

Activity Name: REMOVAL ACTION

AWP Code: NORTH Proposed Budget: 0

AWP Completion Date: Not reported Revised Due Date: Not reported Comments Date: 01261994

Est Person-Yrs to complete: 0
Estimated Size: Not reported

Request to Delete Activity: Not reported Activity Status: COM

Definition of Status: CERTIFIED / OPERATION & MAINTENANCE

Liquids Removed (Gals): 3500 Liquids Treated (Gals): 0

Action Included Capping: Not reported Well Decommissioned: Not reported Action Included Fencing: Not reported

Removal Action Certification: N

Activity Comments: OIL-CONTAMINATED SOIL REMOVED FROM NORTH AREA PRIOR TOCONSTRUCTION OF

PUMP AND TREAT SYSTEM

For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 41490037
Activity: RMDL

Activity Name: REMEDIAL ACTION (RAP REQUIRED)

AWP Code: NORTH Proposed Budget: 0

AWP Completion Date: Not reported Revised Due Date: Not reported Comments Date: 10101994

Est Person-Yrs to complete:

Estimated Size: Not reported Request to Delete Activity: Not reported Activity Status: COM

Definition of Status: CERTIFIED / OPERATION & MAINTENANCE

Liquids Removed (Gals): 0 Liquids Treated (Gals): 0

Action Included Capping:

Well Decommissioned:

Action Included Fencing:

Removal Action Certification:

Activity Comments:

Not reported

Not reported

Not reported

Not reported

 For Commercial Reuse:
 0

 For Industrial Reuse:
 0

 For Residential Reuse:
 0

 Unknown Type:
 0

 Facility ID:
 41490037

 Activity:
 ORDER

Activity Name: I/SE, IORSE, FFA, FFSRA, VCA, EA

AWP Code: AMEND Proposed Budget: 0

AWP Completion Date:

Revised Due Date:

Comments Date:

Not reported
Not reported
08221995

Distance (ft.)Site Database(s) EPA ID Number

#### SOUTHERN PACIFIC TRANSPORTATION CO. - BRISBANE (Continued)

0

S100833269

**EDR ID Number** 

Est Person-Yrs to complete:

Estimated Size: Not reported Request to Delete Activity: Not reported Activity Status: COM

Definition of Status: CERTIFIED / OPERATION & MAINTENANCE

Liquids Removed (Gals): 0 Liquids Treated (Gals): 0

Action Included Capping:

Well Decommissioned:

Action Included Fencing:

Removal Action Certification:

Activity Comments:

Not reported

Not reported

Not reported

Not reported

For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0

Facility ID: 41490037 Activity: DEED

Activity Name: DEED RESTRICTIONS

AWP Code: AREA1 Proposed Budget: 0

AWP Completion Date:

Revised Due Date:

Comments Date:

Est Person-Yrs to complete:

Estimated Size:

Not reported

Not reported

Estimated Size: Not reported Request to Delete Activity: Not reported Activity Status: COM

Definition of Status: CERTIFIED / OPERATION & MAINTENANCE

Not reported

Liquids Removed (Gals): 0
Liquids Treated (Gals): 0

Action Included Capping:

Well Decommissioned:

Action Included Fencing:

Removal Action Certification:

Activity Comments:

Not reported

Not reported

Not reported

For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 4144

Facility ID: 41490037 Activity: CERT

Activity Name: CERTIFICATION

AWP Code: NORTH Proposed Budget: 0

AWP Completion Date:

Revised Due Date:

Comments Date:

Not reported
Not reported
10241996

Est Person-Yrs to complete: 0
Estimated Size: L

Request to Delete Activity: Not reported Activity Status: COM

Definition of Status: CERTIFIED / OPERATION & MAINTENANCE

Liquids Removed (Gals): 0 Liquids Treated (Gals): 0

Action Included Capping: Not reported Well Decommissioned: Not reported

irection EDR ID Number

## SOUTHERN PACIFIC TRANSPORTATION CO. - BRISBANE (Continued)

S100833269

**EPA ID Number** 

Database(s)

Action Included Fencing: Not reported

Removal Action Certification: N

Activity Comments: THE GROUNDWATER PUMP AND TREAT SYSTEM HAS BEEN OPERATING SINCE

OCTOBER1994. OVER 10.8 MILLION GALLONS OF WATER HAVE BEEN TREATED TO

DATE.

For Commercial Reuse: 90
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 414

Facility ID: 41490037 Activity: ORDER

Activity Name: I/SE, IORSE, FFA, FFSRA, VCA, EA

AWP Code: OM Proposed Budget: 0

AWP Completion Date: Not reported Revised Due Date: Not reported Comments Date: 05051995

Est Person-Yrs to complete:

Estimated Size: Not reported Request to Delete Activity: Not reported Activity Status: COM

Definition of Status: CERTIFIED / OPERATION & MAINTENANCE

Liquids Removed (Gals): 0 Liquids Treated (Gals): 0

Action Included Capping:

Well Decommissioned:

Action Included Fencing:

Removal Action Certification:

Activity Comments:

Not reported

Not reported

Not reported

For Commercial Reuse:

For Industrial Reuse:

For Residential Reuse:

Unknown Type:

Facility ID:

Activity:

O

COST

Activity Name: COST RECOVERY

AWP Code: SETT Proposed Budget: 0

AWP Completion Date: Not reported Revised Due Date: Not reported Comments Date: 06281996

Est Person-Yrs to complete: (

Estimated Size: Not reported Request to Delete Activity: Not reported Activity Status: COM

Definition of Status: CERTIFIED / OPERATION & MAINTENANCE

Liquids Removed (Gals): 0 Liquids Treated (Gals): 0

Action Included Capping:

Well Decommissioned:

Action Included Fencing:

Removal Action Certification:

Activity Comments:

Not reported

Not reported

Not reported

Not reported

Not reported

For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0

Distance (ft.)Site Database(s) EPA ID Number

#### SOUTHERN PACIFIC TRANSPORTATION CO. - BRISBANE (Continued)

S100833269

**EDR ID Number** 

Facility ID: 41490037 Activity: 5YEAR

Activity Name: FIVE-YEAR REVIEW REQUIRED BY CERCLA

AWP Code: Not reported

Proposed Budget: 0

AWP Completion Date: 12312005
Revised Due Date: Not reported
Comments Date: Not reported

Est Person-Yrs to complete: 0

Estimated Size: Not reported Request to Delete Activity: Not reported Activity Status: COM

Definition of Status: CERTIFIED / OPERATION & MAINTENANCE

Liquids Removed (Gals): 0
Liquids Treated (Gals): 0

Action Included Capping:

Well Decommissioned:

Action Included Fencing:

Removal Action Certification:

Activity Comments:

Not reported

Not reported

Not reported

Not reported

For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 41490037
Activity: RAP

Activity Name: REMEDIAL ACTION PLAN / RECORD OF DECISION

AWP Code: AMEND
Proposed Budget: 0
AWP Completion Date: 12312005

Revised Due Date: Not reported Comments Date: Not reported

Est Person-Yrs to complete: 0

Estimated Size: Not reported Request to Delete Activity: Not reported Activity Status: COM

Definition of Status: CERTIFIED / OPERATION & MAINTENANCE

Liquids Removed (Gals): 0 Liquids Treated (Gals): 0

Action Included Capping:

Well Decommissioned:

Action Included Fencing:

Removal Action Certification:

Activity Comments:

Not reported

Not reported

Not reported

For Commercial Reuse: 0 For Industrial Reuse: 0 For Residential Reuse: 0 Unknown Type: 0 41490037 Facility ID: Activity: DES Activity Name: **DESIGN** AWP Code: Not reported

Proposed Budget: 0

AWP Completion Date: 06302006

Revised Due Date: Not reported

Comments Date: Not reported

Est Person-Yrs to complete: 0

Distance (ft.)Site Database(s) **EPA ID Number** 

#### SOUTHERN PACIFIC TRANSPORTATION CO. - BRISBANE (Continued)

S100833269

**EDR ID Number** 

Estimated Size: Not reported Request to Delete Activity: Not reported Activity Status: СОМ

Definition of Status: **CERTIFIED / OPERATION & MAINTENANCE** 

Liquids Removed (Gals): Liquids Treated (Gals):

Action Included Capping: Not reported Not reported Well Decommissioned: Action Included Fencing: Not reported Removal Action Certification: Not reported **Activity Comments:** Not reported

For Commercial Reuse: 0 For Industrial Reuse: 0 For Residential Reuse: 0 Unknown Type: 0 Facility ID: 41490037 Activity: **RMDL** 

Activity Name: REMEDIAL ACTION (RAP REQUIRED)

AWP Code: Not reported

Proposed Budget: 0

AWP Completion Date: 09302006 Revised Due Date: Not reported Comments Date: Not reported Est Person-Yrs to complete:

Estimated Size: Not reported Request to Delete Activity: Not reported **Activity Status:** COM

**Definition of Status: CERTIFIED / OPERATION & MAINTENANCE** 

Liquids Removed (Gals): 0 Liquids Treated (Gals): 0

Action Included Capping: Not reported Well Decommissioned: Not reported Action Included Fencing: Not reported Not reported Removal Action Certification: Not reported **Activity Comments:** 

For Commercial Reuse: 0 0 For Industrial Reuse: For Residential Reuse: 0 Unknown Type: 0 Facility ID:

41490037 Activity: **RIFS** 

Activity Name: REMEDIAL INVESTIGATION / FEASIBILITY STUDY

AWP Code: Not reported

Proposed Budget:

AWP Completion Date: 09302005 Revised Due Date: Not reported Comments Date: Not reported Est Person-Yrs to complete:

Estimated Size: Not reported Request to Delete Activity: Х **Activity Status:** 

Definition of Status: **CERTIFIED / OPERATION & MAINTENANCE** 

Liquids Removed (Gals): 0 Liquids Treated (Gals): 0

Action Included Capping: Not reported Not reported Well Decommissioned: Action Included Fencing: Not reported

Distance (ft.)Site Database(s) EPA ID Number

#### SOUTHERN PACIFIC TRANSPORTATION CO. - BRISBANE (Continued)

S100833269

**EDR ID Number** 

Removal Action Certification: Not reported Activity Comments: Not reported

 For Commercial Reuse:
 0

 For Industrial Reuse:
 0

 For Residential Reuse:
 0

 Unknown Type:
 0

 Facility ID:
 41490037

 Activity:
 DEED

Activity Name: DEED RESTRICTIONS

AWP Code: AREA2
Proposed Budget: 0

AWP Completion Date: Not reported Revised Due Date: Not reported Comments Date: 12151995

Est Person-Yrs to complete: 0

Estimated Size: Not reported Request to Delete Activity: Not reported Activity Status: COM

Definition of Status: CERTIFIED / OPERATION & MAINTENANCE

Liquids Removed (Gals): 0 Liquids Treated (Gals): 0

Action Included Capping:

Well Decommissioned:

Action Included Fencing:

Removal Action Certification:

Activity Comments:

Not reported

Not reported

Not reported

For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0

Alternate Address: GENEVA AVENUE AND BAYSHORE BOULEVARD

Alternate City,St,Zip: BRISBANE, CA 94804

Alternate Address: GENEVA AVENUE AND BAYSHORE BOULEVARD

Alternate City, St, Zip: BRISBANE, CA 94005

Background Info: This site, about 180 acres in size, was used by Southern Pacific

Transportation Company for major railcar rehabilitation and locomotive maintenance operations from about 1914 to 1960. Southern Pacific Transportation Company carried out three major investigations. In 1995, the Site was divided into two Operable Units. North Area has chlorinatedvolatile organic compound groundwater contamination. South Area has soil contaminated with petroleum hydrocarbons which was referred to the San Francisco Regional Water Quality Control Board. North Area was certified on October 24, 1996. As part of the October 1999 Five Year Review an assessment of the existing groundwater extraction and treatment system was conducted. Enhancements are being

evaluated. 05051995

Comments: O & M Agreement was signed on May 5, 1995.

Comments Date: 08221995

Comments Date:

Comments: The San Francisco Regional Water Quality Control Board (RWQCB)

Comments Date: 08221995

Comments: became lead agency for the South Area on August 22, 1995. The

Comments Date: 08221995

Comments: IS&E Order was modified to reflect that the South Area was

Comments Date: 08221995

Comments: transferred to the RWQCB.

Map ID
Direction
EDR ID Number

Distance (ft.)Site Database(s) EPA ID Number

#### SOUTHERN PACIFIC TRANSPORTATION CO. - BRISBANE (Continued)

S100833269

Comments Date: 10101994

Distance

Comments: A groundwater pump and treat system for the North Area was

Comments Date: 10101994

Comments: installed on October 10, 1994.

Comments Date: 12301993

Comments: A Remedial Action Plan was approved in December 1993.

ID Name: CALSTARS CODE

ID Value: 200093

ID Name: BEP DATABASE PCODE

ID Value: P22087

Alternate Name: SOUTHERN PACIFIC INT'L DEVELOPMENT CORPSOUTHERN PACIFIC TRANSPORTATION

COSOUTHERN PACIFIC - BRISBANEBRISBANE RAILYARDBAYSHORE RAILYARDSOUTHERN PACIFIC

- BRISBANE (OU-1)TUNTEXSOUTHERN PACIFIC - BRISBANE (NORTH AREA)

Special Programs Code: Not reported Special Programs Name: Not reported

CA BOND EXP. PLAN:

Reponsible Party: RESPONSIBLE PARTY-LEAD SITE CLEANUP WORKPLAN

Project Revenue Source Company: Not reported Project Revenue Source Addr: Not reported Project Revenue Source City, St, Zip: Not reported

Project Revenue Source Desc: DHS has budgeted \$100,000 for oversight of Southern Pacific's activities and

will seek to recover all costs from the RP. DHS will be issuing a remedial action order or entering into an enforceable agreement with the RP. Southern Pacific Transportation Company has funded all remedial activities to date and

is expected to continue to fund site activities.

Site Description: This site, about 100 acres in size, was used by Southern Pacific Transportation

Company for major railcar rehabilitation and locomotive maintenance operations

from about 1914 to 1960.

Hazardous Waste Desc: Soil and ground water at the site are contaminated with a variety of hazardous

substances, including arsenic, barium, chromium, copper, lead, zinc, oil,

benzene, trichloroethane (TCA), trichloroethylene (TCE), dichloroethylene (DCE)

and vinyl chlorid.

Threat To Public Health & Env: This site is located in Visitacion Valley, a basin tributary to the San

Francisco Bay. The Bay is located about 2,000 feet east of the site. The site also overlays a discharge area and a potentially usable ground water source. Contaminants from the site may migrate offsite via surface water runoff, wind dispersion and ground water transport. This could result in human and animal exposure from direct contact with or ingestion of contaminated soil or water.

Site Activity Status: Southern Pacific recently completed a remedial investigation of the site.

Additional remedial work may be necessary.

CORTESE:

Region: CORTESE Envirostor Id: 41490037

Site/Facility Type: STATE RESPONSE

Cleanup Status: ACTIVE - LAND USE RESTRICTIONS

Status Date: 05/13/2014 Site Code: 200093 Latitude: 37.705917 Longitude: -122.40394 Owner: Not reported Enf Type: Not reported Swat R: Not reported Flag: export Order No: Not reported

rection EDR ID Number

## SOUTHERN PACIFIC TRANSPORTATION CO. - BRISBANE (Continued)

S100833269

**EPA ID Number** 

Database(s)

Waste Discharge System No:

Effective Date:

Region 2:

WID Id:

Solid Waste Id No:

Waste Management Uit Name:

Not reported

Not reported

Not reported

Not reported

Not reported

DEED:

Area: PROJECT WIDE
Sub Area: Not reported
Site Type: STATE RESPONSE

Status: ACTIVE
Agency: Not reported
Covenant UploadeNot reported
Deed Date(s): 12/15/1995
EDR Link ID: 41490037

Area: PROJECT WIDE
Sub Area: Not reported
Site Type: STATE RESPONSE

Status: ACTIVE
Agency: Not reported
Covenant UploadeNot reported
Deed Date(s): 12/15/1995
EDR Link ID: 41490037

RESPONSE:

Facility ID: 41490054
Site Type: State Response
Site Type Detail: State Response or NPL

Acres: Not reported

National Priorities List: NO

Cleanup Oversight Agencies: SMBRP, RWQCB 2 - San Francisco Bay

Lead Agency Description: RWQCB 2 - San Francisco Bay

Project Manager: Not reported

Supervisor: Referred - Not Assigned Division Branch: Cleanup Berkeley

Site Code: 200093

Site Mgmt. Req.: NONE SPECIFIED

Assembly: 22 Senate: 13

Special Program Status: Not reported
Status: Refer: RWQCB
Status Date: 11/07/1996
Restricted Use: NO

 Funding:
 \* Unknown

 Latitude:
 37.70416

 Longitude:
 -122.4041

 APN:
 05807020

Past Use: NONE SPECIFIED

Potential COC: \* CONTAMINATED SOIL \* WASTE OIL & MIXED OIL

Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: BAYSHORE RAILYARD
Alias Type: Alternate Name
Alias Name: BRISBANE RAILYARD

Map ID
Direction
EDR ID Number
Distance

Distance (ft.)Site Database(s) EPA ID Number

#### SOUTHERN PACIFIC TRANSPORTATION CO. - BRISBANE (Continued)

S100833269

Alias Type: Alternate Name

Alias Name: SOUTHERN PACIFIC INT'L DEVELOPMENT CORP

Alias Type: Alternate Name

Alias Name: SOUTHERN PACIFIC TRANSPORTATION CO

Alias Type: Alternate Name
Alias Name: TUNTEX
Alias Type: Alternate Name
Alias Name: 05807020
Alias Type: APN

 Alias Name:
 110033605374

 Alias Type:
 EPA (FRS #)

 Alias Name:
 P22087

 Alias Type:
 PCode

 Alias Name:
 200093

Alias Type: Project Code (Site Code)

Alias Name: 41490054

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Not reported Completed Sub Area Name: Not reported Completed Document Type: Not reported Completed Date: Not reported Not reported Not reported

Future Area Name: Not reported Future Sub Area Name: Not reported Not reported Future Document Type: Future Due Date: Not reported Schedule Area Name: Not reported Not reported Schedule Sub Area Name: Schedule Document Type: Not reported Schedule Due Date: Not reported Schedule Revised Date: Not reported

Facility ID: 41490037
Site Type: State Response
Site Type Detail: State Response or NPL

Acres: 37.8
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP

Lead Agency Description: DTSC - Site Cleanup Program

Project Manager: Charles (Chip) Gribble

Supervisor: Denise Tsuji
Division Branch: Cleanup Berkeley

Site Code: 200093

Site Mgmt. Req.: REM, GW, OIL, NOWN, NDAM, EXT, FOOD, REM, MON, GW, OIL, NOWN, NDAM,

EXT, FOOD

Assembly: 22 Senate: 13

Special Program Status: Not reported Status: Active Status Date: 05/13/2014 Restricted Use: YES

Funding: Responsible Party

Latitude: 37.70591 Longitude: -122.4039

APN: 005-340-060, 005340060, 30-5102-009, 5087-004, 5101-006, 5107-001

rection EDR ID Number

#### SOUTHERN PACIFIC TRANSPORTATION CO. - BRISBANE (Continued)

S100833269

**EPA ID Number** 

Database(s)

Past Use: RAIL ROAD MAINTENANCE SHOP, TRANSFER STATION

Potential COC : Total Chromium (1:6 ratio Cr VI:Cr III Lead Tetrachloroethylene (PCE

TPH-gas TPH-MOTOR OIL 1,1,1-Trichloroethane (TCA Trichloroethylene

(TCE Vinyl chloride Chromium III Chromium VI 1,1-Dichloroethylene

1,2-Dichloroethylene (cis 1,2-Dichloroethylene (trans

Confirmed COC: Tetrachloroethylene (PCE TPH-gas 1,1,1-Trichloroethane (TCA

Trichloroethylene (TCE Vinyl chloride Chromium III Chromium VI 1,1-Dichloroethylene 1,2-Dichloroethylene (cis 1,2-Dichloroethylene (trans Total Chromium (1:6 ratio Cr VI:Cr III Lead TPH-MOTOR OIL

Potential Description: OTH, SOIL

Alias Name: BAYSHORE RAILYARD
Alias Type: Alternate Name
Alias Name: BRISBANE RAILYARD

Alias Type: Alternate Name

Alias Name: SOUTHERN PACIFIC - BRISBANE

Alias Type: Alternate Name

Alias Name: SOUTHERN PACIFIC - BRISBANE (OU-1)

Alias Type: Alternate Name

Alias Name: SOUTHERN PACIFIC INT'L DEVELOPMENT CORP

Alias Type: Alternate Name

Alias Name: SOUTHERN PACIFIC TRANSPORTATION CO

Alias Type: Alternate Name
Alias Name: TUNTEX
Alias Type: Alternate Name
Alias Name: 005-340-060
Alias Type: APN
Alias Name: 005340060
Alias Type: APN

Alias Name: 30-5102-009 Alias Type: APN Alias Name: 5087-004 Alias Type: APN Alias Name: 5101-006 Alias Type: APN Alias Name: 5107-001 Alias Type: APN 110033616843

 Alias Name:
 11003361684

 Alias Type:
 EPA (FRS #)

 Alias Name:
 P22087

 Alias Type:
 PCode

 Alias Name:
 200093

Alias Type: Project Code (Site Code)

Alias Name: 41490037

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: SF

Completed Sub Area Name: Not reported

Completed Document Type: CEQA - Responsible Agency Review

Completed Date: 11/16/2009

Comments: Addendum to the EIR approved which clarifies differences between the

original EIR and the Remedial Action Plan including the UPC OU in SF.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Amendment - Order/Agreement

Completed Date: 04/23/1993

Comments: First Amended Order requiring the Responsible Party to revise the

ection EDR ID Number

SOUTHERN PACIFIC TRANSPORTATION CO. - BRISBANE (Continued)

S100833269

**EPA ID Number** 

Database(s)

Remedial Action Plan (RAP) to consider public comments which should

become the Final RAP.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operation & Maintenance Order/Agreement

Completed Date: 09/22/1995

Comments: DTSC enters into agreement with Tuntex Properties (Respondent) for

the operation and maintenance of the liquid phase/carbon adsorption

extraction and treatment system for the remediation of the groundwater contaminated with volatile organic compounds.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)

Completed Date: 12/14/1988
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Injunctive Relief Order

Completed Date: 07/07/1995 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Amendment - Order/Agreement

Completed Date: 05/17/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Imminent and/or Substantial Endangerment Order

Completed Date: 02/27/1994 Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fence & Post Order
Completed Date: 12/17/1985
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 10/24/1996

Comments: Certified the cleanup of the site with an on-going operation and maintenance of the groundwater extraction and treatment system.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction

Completed Date: 12/15/1995

Comments: Deed restriction recorded for the area 2 as described in the deed.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Map ID
Direction
EDR ID Number
Distance

Distance (ft.)Site Database(s) EPA ID Number

## SOUTHERN PACIFIC TRANSPORTATION CO. - BRISBANE (Continued)

S100833269

Completed Document Type: Amendment - Order/Agreement

Completed Date: 08/22/1995

Comments: The San Francisco Regional Water Quality Control Board (RWQCB) became lead agency for the South Area on August 22, 1995. The IS&E Order was

modified to reflect that the South Area was transferred to the RWQCB.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: CEQA - Initial Study/ Neg. Declaration

Completed Date: 12/30/1993

Comments: A Negative Declaration was adopted for the proposed Remedial Action

Plan.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)

Completed Date: 02/22/1990

Comments: An Order issued to require Responsible Party to conduct investigation

and cleanup.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: \* Discovery
Completed Date: 08/01/1980
Comments: Not reported

Completed Area Name: Sewer Replacement

Completed Sub Area Name: Not reported

Completed Document Type: Voluntary Cleanup Agreement

Completed Date: 07/30/2008

Comments: The Proponent is the SF Public Utilities Commission. DTSC will

review reports pertaining to the replacement of the Sunnydale sanitary sewer. The sewer is located where groundwater contamination

sanitary sewer. The sewer is located where groundwater contamination has been detected. Sources of contamination are from the previous

operations of Schlage Lock and the SP-Brisbane sites.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 05/22/2008

Comments: Consent Order with UPC and BP PLT-I, LLC

Completed Area Name: SF

Completed Sub Area Name: Not reported

Completed Document Type: Annual Oversight Cost Estimate

Completed Date: 10/13/2009

Comments: The estimated annual oversight cost is \$72,000.00 for the fiscal year

2009/2010.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Annual Oversight Cost Estimate

Completed Date: 09/22/2011 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

ection EDR ID Number

Database(s) EPA ID Number

S100833269

## SOUTHERN PACIFIC TRANSPORTATION CO. - BRISBANE (Continued)

Completed Document Type: Annual Oversight Cost Estimate

Completed Date: 11/09/2012 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Annual Oversight Cost Estimate

Completed Date: 09/11/2013 Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Ompleted Date: 08/04/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 05/18/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 07/18/2012
Comments: Demand letter #1

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction

Completed Date: 12/15/1995

Comments: Deed restriction recorded for the area 1 as described in the deed.

Completed Area Name: Sewer Replacement
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/15/2009

Comments: The Environmental Mitigation Plan consists of proposed plan to

address the handling of groundwater; abandonment of wells and

submittal of Health and Safety Plan.

Completed Area Name: Sewer Replacement
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/21/2009

Comments: The Report indicates that the sewer construction has no adverse

impact to the lateral and vertical migration of the existing VOC

plume at the UPC site. Soil Management, Health and Safety and Waste Management Plans will be submitted to DTSC for review and approval.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/01/2008

Comments: Schedule is on track including the submittal and approval of Data Gap

Investigation and Treatability Study Workplan, Sampling Plan and

irection EDR ID Number

## SOUTHERN PACIFIC TRANSPORTATION CO. - BRISBANE (Continued)

S100833269

**EPA ID Number** 

Database(s)

Quality Assurance Project Plan (QAPP) which were completed in July

2008.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/22/2008

Comments: Schedule is on track. Fieldwork is on-going in the implementation of

the approved Pilot Study for Enhanced Reductive Dechlorination (ERD)

and In-Situ Chemical Oxidation (ISCO).

Completed Area Name: SF

Completed Sub Area Name: Not reported Completed Document Type: Fact Sheets Completed Date: 09/08/2009

Comments: The Fact Sheet is for the Final Dr. FS/RAP for the Sch OU and SF

County portion of the UPC OU1 site.

Completed Area Name: SF

Completed Sub Area Name: Not reported Completed Document Type: Public Notice Completed Date: 09/10/2009

Comments: The public notice is for the comment period Sept. 10 to October 13,

2009 of the Final Dr. FS/RAP for the Sch OU and the SF County portion

of the UPC OU-1 site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/26/2008

Comments: DTSC approved Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/29/2008

Comments: Schedule is on track. The Pilot Study fieldwork is on-going.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/22/2008

Comments: Schedule is on track. The pilot study fieldwork is on-going.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/21/2008

Comments: Additional ERD injection was necessary in November based on the

sampling results.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/23/2008

Comments: Further evaluation of the ERD pilot study is needed. Additional

injection and/or monitoring maybe necessary.

Distance (ft.)Site Database(s) EPA ID Number

## SOUTHERN PACIFIC TRANSPORTATION CO. - BRISBANE (Continued)

S100833269

**EDR ID Number** 

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/28/2009

Comments: Further evaluation of the ERD pilot study needed. RAP document is

being prepared.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/26/2009

Comments: Further evaluation of the ERD pilot study needed. RAP document is

being prepared.

Completed Area Name: SF

Completed Sub Area Name: Not reported Completed Document Type: Other Report Completed Date: 04/28/2009

Comments: The Soil Management, Air Monitoring and Dust Monitoring Plans were

submitted on April 17, 2009. The Dr. RAP will be submitted on May 1,

2009.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 12/10/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/03/2009

Comments: RP is revising the SMP document.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 12/10/2009

Comments: Report found Enhance Reductive Dechlorination to be more effective in

reducing TCE and PCE concentrations than In-situ Chemical Oxidation.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Public Participation Plan / Community Relations Plan

Completed Date: 04/30/2009

Comments: The most recent update of a Public Participation Plan for the Schlage

Lock Site in Visitacion Valley, San Francisco, CA. This document reviews community interest, views, and concerns related to the investigation and cleanup activities at the Site while identifying effective public participation activities. The community surrounding the site is extremely varied. Through surveys and individual interviews residents expressed their major concerns which include: dust in an area known for its unpredictable winds; traffic and safety in an area that is already impacted by heavy truck traffic; health impacts and levels of contamination; and the length of time the investigation, clean up, and development are taking. The biggest concern was that a high level of consistent, understandable

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

#### SOUTHERN PACIFIC TRANSPORTATION CO. - BRISBANE (Continued)

S100833269

**EDR ID Number** 

information be available to the community. This Public Participation Plan update proposes a multi-pronged outreach involving existing meetings and CBO?s to reach out to residents in their everyday activities and in language they understand.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/26/2009

Comments: Building demolition is on-going. Consultant addressing DTSC's

comments on the RAP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/29/2009

Comments: Waiting for the GWM Reports and the Remedial Design and the

Implementation Plan.

Completed Area Name: Sewer Replacement
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/24/2011

Comments: The waste management plan addresses measures how to handle extracted

water and soil from the sewer installation operation.

Completed Area Name: Sewer Replacement

Completed Sub Area Name: Not reported

Completed Document Type: Well Decommissioning Workplan

Completed Date: 03/11/2010

Comments: DTSC approved the well abandonment and replacement workplan for the

groundwater monitoring wells that may be in the way of the location

of the Sunnydale Auxiliary Sewer.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/28/2010

Comments: Implemenation delayed due to CEQA issue.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/25/2010

Comments: Groundwater injection is on-going.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 03/30/2010

Comments: Report indicates groundwater VOC data is generally within historical

trend.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 07/23/2010

Map ID Direction Distance Distance (ft.)Site

irection EDR ID Number

## SOUTHERN PACIFIC TRANSPORTATION CO. - BRISBANE (Continued)

S100833269

**EPA ID Number** 

Database(s)

Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 10/27/2010

Comments: Groundwater monitoring results show dechlorination occuring more

effectively in some areas while less effectively in other areas. To help enhance the reductive dechlorination, deoxygenized water and

bugs were added.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Remedial Action Completion Report

Completed Date: 10/10/1994

Comments: A groundwater pump and treat system for the North Area was installed

on October 10, 1994.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Removal Action Completion Report

Completed Date: 01/26/1994

Comments: A soil removal was conducted.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Design/Implementation Workplan

Completed Date: 01/04/1994

Comments: A Remedial Design for the proposed cleanup was approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan

Completed Date: 12/30/1993

Comments: DTSC approved a Remedial Action Plan which consisted of a liquid

phase/carbon adsorption extraction and treatment system to treat contaminated groundwater with volatile organic compounds (VOCs).

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Feasibility Study Report

Completed Date: 03/06/1992

Comments: DTSC approved a Remedial Investigation/Feasibility Study which looked

at the different cleanup alternatives for the site.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Removal Action Completion Report

Completed Date: 06/30/1989
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Removal Action Workplan

Completed Date: 06/30/1989
Comments: Not reported

irection EDR ID Number istance

## SOUTHERN PACIFIC TRANSPORTATION CO. - BRISBANE (Continued)

S100833269

**EPA ID Number** 

Database(s)

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Removal Action Completion Report

Completed Date: 08/30/1988
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Removal Action Workplan

Completed Date: 08/30/1988 Comments: TANK

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 03/24/1987
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Public Participation Plan / Community Relations Plan

Completed Date: 04/07/1989

Comments: DTSC approved the Public Participation Plan.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Supplemental Site Investigation Workplan

Completed Date: 11/14/2005

Comments: Workplan to conduct sampling to fill data gaps approved.

Completed Area Name: Brisbane Portion
Completed Sub Area Name: Not reported

Completed Document Type: Risk Assessment Report

Completed Date: 11/14/2006

Comments: DTSC approved report

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Remedial Investigation Report

Completed Date: 02/17/2006

Comments: DTSC approved the Soil Sampling Report which indicated the presence

of arsenic, lead and volatile organic compounds in both the San

Francisco and Brisbane portions of the site.

Completed Area Name: SF

Completed Sub Area Name: Not reported

Completed Document Type: Risk Assessment Report

Completed Date: 09/15/2006

Comments: The Human Health Risk Assessment (HHRA) for the SF parcel was approved on Sept. 15, 2006. Without remediation, the HHRA indicates

approved on Sept. 15, 2006. Without remediation, the HHRA indicate that the potential non-cancer and cancer risks for current and future

uses are above the acceptable levels.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 02/21/2006

Map ID Direction Distance Distance (ft.)Site

Distance

# SOUTHERN PACIFIC TRANSPORTATION CO. - BRISBANE (Continued)

S100833269

Database(s)

**EDR ID Number** 

**EPA ID Number** 

Comments: There were no significant findings on the Report.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 08/14/2006

Comments: No comments were made except for requiring the P.E. stamp.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 08/21/2006

Comments: Report approved with no modifications.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 11/09/2006 Comments: Report approved.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 05/21/2007 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 05/21/2007 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 02/08/2006

Comments: DTSC reviewed the Report without further comments.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Risk Assessment Report

Completed Date: 06/22/2006

Comments: DTSC approves the Report based on several assumptions including the

design of the below grade garage, extent of soil removal and

compliance with building code on ventillation.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Remedial Investigation Report

Completed Date: 10/18/2002

Comments: The RI Report indicated that the chemicals of concern at the Site

are chlorinated volatile organic compounds, primarily

perchloroethylene and trichloroethylene. The Report also identified three water-bearing zones at the site, the A-Fill, A-Sand and B-Sand.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

## SOUTHERN PACIFIC TRANSPORTATION CO. - BRISBANE (Continued)

S100833269

**EDR ID Number** 

Completed Document Type: Risk Assessment Report

Completed Date: 05/14/2003

Comments: The Report indicated that there is a potential for human health exposure for future land use via ingestion of chemicals in

groundwater, dermal conact with chemicals in groundwater, and inhalation of chemical vapors migrating from groundwater.

Groundwater ingestion and long term groundwater contact are however

highly unlikely.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Remedial Investigation Workplan

Completed Date: 08/15/2006

Comments: UPC implement soil workplan without DTSC's review.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 08/21/2006

Comments: Report approved with no modifications or comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/20/2006

Comments: comments sent to the City of Brisbane

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Remedial Investigation Report

Completed Date: 01/24/2007

Comments: Report summarizes recent sampling conducted on the property.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Well Completion Report

Completed Date: 07/24/2007

Comments: Extraction well GWE-5 was abandoned and replaced with a monitoring

well in the A-fill area.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Long Term Monitoring Report

Completed Date: 10/17/2007

Comments: Report indicates consistent result as in the previous quarter.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Long Term Monitoring Report

Completed Date: 12/14/2007

Comments: report consistent with previous findings.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Long Term Monitoring Report

Completed Date: 01/30/2008
Comments: Not reported

Distance (ft.)Site Database(s) EPA ID Number

## SOUTHERN PACIFIC TRANSPORTATION CO. - BRISBANE (Continued)

S100833269

**EDR ID Number** 

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Long Term Monitoring Report

Completed Date: 06/30/2008

Comments: System operating within historic ranges.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Long Term Monitoring Report

Completed Date: 09/26/2008

Comments: The data are within historical trend.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Long Term Monitoring Report

Completed Date: 04/13/2009

Comments: Report indicates data within historical trend.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 12/28/2006

Comments: No significant change in VOC concentration trend. Groundwater on a

few wells were observed to be cloudy and brownish.

Completed Area Name: SF

Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan

Completed Date: 11/16/2009

Comments: The FS/RAP was approved on Nov. 16, 2009. The soil remediation

consists of excavation and capping of approximately 22,000 cubic yards of soil contaminated with metals. The groundwater will be treated through an Enhanced Reductive Dechlorination (ERD) process using sodium lactate. Sodium lactate is a food grade substance that will be injected into the groundwater to help the micro-organisms present in the soil and groundwater break down the VOCs into non-toxic compounds. Land Use Controls will also be imposed at the site and a soil management plan will be required when there is a plan to excavate or disturb contaminated soil. Operation and Maintenance of the cap and the groundwater monitoring systems will be required. Also, routine groundwater monitoring will be required until the groundwater cleanup standards (MCLs) are met. Please refer to the

Schlage Lock site for additional information on the RAP.

Completed Area Name: SF

Completed Sub Area Name: Not reported

Completed Document Type: Design/Implementation Workplan

Completed Date: 01/06/2010

Comments: The Remedial Design Implementation Plan (RDIP) provided details for

injecting emulsified vegetable oil (EVO) into groundwater and excavating and treating approximately 15,000 cubic yards of VOC

contaminated soil.

Completed Area Name: SF

Completed Sub Area Name: Not reported

Completed Document Type: Pilot Study/Treatability Workplan

Completed Date: 07/18/2008

Map ID Direction Distance Distance (ft.)Site

Distance
Distance (ft.)Site
Database(s) EPA ID Number

## SOUTHERN PACIFIC TRANSPORTATION CO. - BRISBANE (Continued)

S100833269

**EDR ID Number** 

Comments: Treatbility study and data gap investigation workplan and associated

Sampling and Analysis Plan and Quality Assurance Project Plan approved. Pilot studies will be conducted to help determine the most effective method to clean up VOCs in the site soil and groundwater. Soil sampling will be conducted in several areas to better define the extent of soil contamination. The Groundwater Extraction and Treatment System has been turned off as part of this process.

Completed Area Name: SF

Completed Sub Area Name: Not reported Completed Document Type: Fieldwork Osympleted Date: 05/08/2009 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Long Term Monitoring Report

Completed Date: 06/30/2008

Comments: Data is within historical trend.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 07/08/2008

Comments: Groundwater concentrations are within historical ranges.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 12/07/2010

Comments: Groundwater monitoring results show dechlorination occuring more

effectively in some areas while less effectively in other areas.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 06/06/2011 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 07/12/2011 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 08/25/2011 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 11/10/2011
Comments: Not reported

Distance

#### SOUTHERN PACIFIC TRANSPORTATION CO. - BRISBANE (Continued)

S100833269

Database(s)

**EDR ID Number** 

**EPA ID Number** 

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 03/01/2012 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 03/22/2010

Comments: GWM Report indicates VOC data within historical trend.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/10/2010

Comments: VOC soil excavation is continuing. RAP implementation is on schedule.

Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/13/2010

Comments: VOC excavation is continuing. Soil gas sampling will begin May 17,

2010. RAP implementation is on schedule.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/17/2010

Comments: Soil gas sampling completed on May 20, 2010 at the Schlage OU (north

of Visitacion Valley). Completed excavation of soil contaminated with volatile organic compounds (VOCs) east of Plant 3/3X on the Schlage OU. Also, completed backfill of excavation. Additional excavation may be necessary on the southern portion of Schlage Lock.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/20/2010

Comments: Based on the most recent data, additional soil gas and total

petroleum hydrocarbon (TPH) investigation will be conducted in the

areas, north of Visitacion Avenue.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/29/2010

Comments: Follow-up testing for soil gas in the northern portion of Visitacion

Valley and areas previously covered with concrete slabs found VOCs above cleanup levels. Consequently, additional excavation and treatment of soil will be conducted during the month of October.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/24/2010

Distance (ft.)Site Database(s) EPA ID Number

## SOUTHERN PACIFIC TRANSPORTATION CO. - BRISBANE (Continued)

S100833269

**EDR ID Number** 

Comments: Excavation was completed at the northern portion of the site. Soil

gas sampling to be conducted in mid-December to confirm cleanup. ERD

injection into groundwater for the Brisbane portion of the site

starts during the week of Dec. 6.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/28/2010

Comments: The plan to conduct additional soil gas sampling is postponed until

January 2011.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/31/2011

Comments: /Oil vegetable injection on the Brisbane portion of the site was

completed on Dec. 22, 2010. Phase 2 soil gas sampling is currently

going on.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: \*Correspondence - Received

Completed Date: 07/28/2011 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 05/23/2012 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Site Characterization Report

Completed Date: 03/22/2012 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Remedial Investigation Report

Completed Date: 11/22/1989 Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/23/2012
Comments: Not reported

Future Area Name: Brisbane Portion
Future Sub Area Name: Not reported
Future Document Type: Remedial Action Plan

Future Due Date: 2016

Future Area Name: Brisbane Portion
Future Sub Area Name: Not reported
Future Document Type: Fact Sheets

Distance (ft.)Site Database(s) EPA ID Number

## SOUTHERN PACIFIC TRANSPORTATION CO. - BRISBANE (Continued)

S100833269

**EDR ID Number** 

Future Due Date: 2016

Future Area Name: Brisbane Portion
Future Sub Area Name: Not reported
Future Document Type: Public Notice
Future Due Date: 2016

Future Area Name: Brisbane Portion Future Sub Area Name: Not reported

Future Document Type: Design/Implementation Workplan

Future Due Date: 2016

Future Area Name: Brisbane Portion Future Sub Area Name: Not reported

Future Document Type: Remedial Action Completion Report

Future Due Date: 2016

Future Area Name: Brisbane Portion
Future Sub Area Name: Not reported

Future Document Type: Operations and Maintenance Plan

Future Due Date: 2016

Future Area Name: Brisbane Portion Future Sub Area Name: Not reported

Future Document Type: CEQA - Responsible Agency Review

Future Due Date: 2016

Future Area Name: Brisbane Portion
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2016
Future Area Name: Brisbane Portion
Future Sub Area Name: Not reported
Future Document Type: Land Use Restriction

Future Due Date: 2016

Future Area Name: PROJECT WIDE Future Sub Area Name: Not reported

Future Document Type: Land Use Restriction - Release/Rescission

Future Due Date:

Schedule Area Name:
Schedule Sub Area Name:
Schedule Document Type:
Schedule Due Date:
Schedule Revised Date:
Schedule Revised Date:
Schedule Schedule Revised Date:
Schedule Revised Date:
Schedule Schedule Revised Date:
Schedule Schedule Revised Date:

## **ENVIROSTOR:**

Facility ID: 41490054
Status: Refer: RWQCB
Status Date: 11/07/1996
Site Code: 200093
Site Type: State Response
Site Type Detailed: State Response or NPL

Acres: Not reported

NPL: NO

Regulatory Agencies: SMBRP, RWQCB 2 - San Francisco Bay

Lead Agency: RWQCB 2 - San Francisco Bay

Program Manager: Not reported

Supervisor: Referred - Not Assigned Division Branch: Cleanup Berkeley

Assembly: 22 Senate: 13

Special Program: Not reported

Restricted Use: NO

Distance (ft.)Site Database(s) EPA ID Number

## SOUTHERN PACIFIC TRANSPORTATION CO. - BRISBANE (Continued)

S100833269

**EDR ID Number** 

Site Mgmt Req: NONE SPECIFIED Funding: \* Unknown Latitude: 37.70416 Longitude: -122.4041 APN: 05807020

Past Use: NONE SPECIFIED

Potential COC: \* CONTAMINATED SOIL \* WASTE OIL & MIXED OIL

Confirmed COC: NONE SPECIFIED Potential Description: NONE SPECIFIED

Alias Name: BAYSHORE RAILYARD
Alias Type: Alternate Name
Alias Name: BRISBANE RAILYARD

Alias Type: Alternate Name

Alias Name: SOUTHERN PACIFIC INT'L DEVELOPMENT CORP

Alias Type: Alternate Name

Alias Name: SOUTHERN PACIFIC TRANSPORTATION CO

Alias Type: Alternate Name
Alias Name: TUNTEX
Alias Type: Alternate Name
Alias Name: 05807020
Alias Type: APN
Alias Name: 110033605374

 Alias Name:
 11003360537

 Alias Type:
 EPA (FRS #)

 Alias Name:
 P22087

 Alias Type:
 PCode

 Alias Name:
 200093

Alias Type: Project Code (Site Code)

Alias Name: 41490054

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Not reported Completed Sub Area Name: Not reported Completed Document Type: Not reported Completed Date: Not reported Not reported Not reported Not reported

Future Area Name: Not reported Future Sub Area Name: Not reported Not reported Future Document Type: Not reported Future Due Date: Not reported Schedule Area Name: Schedule Sub Area Name: Not reported Schedule Document Type: Not reported Schedule Due Date: Not reported Schedule Revised Date: Not reported

 Facility ID:
 41490037

 Status:
 Active

 Status Date:
 05/13/2014

 Site Code:
 200093

 Site Type:
 State Response

 Site Type Detailed:
 State Response or NPL

Acres: 37.8

NPL: NO

Regulatory Agencies: SMBRP

Lead Agency: SMBRP

Program Manager: Charles (Chip) Gribble

**EDR ID Number** 

# SOUTHERN PACIFIC TRANSPORTATION CO. - BRISBANE (Continued)

S100833269

**EPA ID Number** 

Database(s)

Supervisor: Denise Tsuji Cleanup Berkeley Division Branch:

Assembly: 22 13 Senate:

Special Program: Not reported

Restricted Use: YES

Site Mgmt Req: REM, GW, OIL, NOWN, NDAM, EXT, FOOD, REM, MON, GW, OIL, NOWN, NDAM,

EXT, FOOD

Responsible Party Funding:

Latitude: 37.70591 -122.4039 Longitude:

005-340-060, 005340060, 30-5102-009, 5087-004, 5101-006, 5107-001 APN:

RAIL ROAD MAINTENANCE SHOP, TRANSFER STATION Past Use:

Potential COC: Total Chromium (1:6 ratio Cr VI:Cr III Lead Tetrachloroethylene (PCE

> TPH-gas TPH-MOTOR OIL 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE Vinyl chloride Chromium III Chromium VI 1,1-Dichloroethylene

1,2-Dichloroethylene (cis 1,2-Dichloroethylene (trans

Tetrachloroethylene (PCE TPH-gas 1,1,1-Trichloroethane (TCA Confirmed COC:

> Trichloroethylene (TCE Vinyl chloride Chromium III Chromium VI 1,1-Dichloroethylene 1,2-Dichloroethylene (cis 1,2-Dichloroethylene (trans Total Chromium (1:6 ratio Cr VI:Cr III Lead TPH-MOTOR OIL

Potential Description: OTH, SOIL

BAYSHORE RAILYARD Alias Name:

Alias Type: Alternate Name

Alias Name: **BRISBANE RAILYARD** 

Alias Type: Alternate Name

Alias Name: SOUTHERN PACIFIC - BRISBANE

> APN 5101-006

Alias Type: Alternate Name

SOUTHERN PACIFIC - BRISBANE (OU-1) Alias Name:

Alias Type: Alternate Name

SOUTHERN PACIFIC INT'L DEVELOPMENT CORP Alias Name:

Alias Type: Alternate Name

Alias Name: SOUTHERN PACIFIC TRANSPORTATION CO

Alias Type: Alternate Name Alias Name: **TUNTEX** Alternate Name Alias Type: Alias Name: 005-340-060 Alias Type: APN 005340060 Alias Name: Alias Type: APN Alias Name: 30-5102-009 Alias Type: APN Alias Name: 5087-004

Alias Type: APN Alias Name: 5107-001 Alias Type: APN Alias Name: 110033616843 EPA (FRS#) Alias Type: Alias Name: P22087 Alias Type: **PCode** Alias Name: 200093

Alias Type:

Alias Name:

Alias Type: Project Code (Site Code)

Alias Name: 41490037

**Envirostor ID Number** Alias Type:

**EDR ID Number** 

# SOUTHERN PACIFIC TRANSPORTATION CO. - BRISBANE (Continued)

S100833269

**EPA ID Number** 

Database(s)

Completed Info:

Completed Area Name: SF

Completed Sub Area Name: Not reported

Completed Document Type: CEQA - Responsible Agency Review

Completed Date: 11/16/2009

Comments: Addendum to the EIR approved which clarifies differences between the

original EIR and the Remedial Action Plan including the UPC OU in SF.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Amendment - Order/Agreement

Completed Date: 04/23/1993

Comments: First Amended Order requiring the Responsible Party to revise the

Remedial Action Plan (RAP) to consider public comments which should

become the Final RAP.

Completed Area Name: **PROJECT WIDE** Completed Sub Area Name: Not reported

Completed Document Type: Operation & Maintenance Order/Agreement

Completed Date: 09/22/1995

Comments: DTSC enters into agreement with Tuntex Properties (Respondent) for

the operation and maintenance of the liquid phase/carbon adsorption

extraction and treatment system for the remediation of the groundwater contaminated with volatile organic compounds.

Completed Area Name: **PROJECT WIDE** Completed Sub Area Name: Not reported

Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)

Completed Date: 12/14/1988 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Injunctive Relief Order

Completed Date: 07/07/1995 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Amendment - Order/Agreement

Completed Date: 05/17/1995 Comments: Not reported

Completed Area Name: PROJECT WIDE Not reported Completed Sub Area Name:

Completed Document Type: Imminent and/or Substantial Endangerment Order

Completed Date: 02/27/1994 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Fence & Post Order Completed Date: 12/17/1985

Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Map ID Direction Distance Distance (ft.)Site

irection EDR ID Number istance

## SOUTHERN PACIFIC TRANSPORTATION CO. - BRISBANE (Continued)

S100833269

**EPA ID Number** 

Database(s)

Completed Document Type: Certification Completed Date: 10/24/1996

Comments: Certified the cleanup of the site with an on-going operation and

maintenance of the groundwater extraction and treatment system.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction

Completed Date: 12/15/1995

Comments: Deed restriction recorded for the area 2 as described in the deed.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Amendment - Order/Agreement

Completed Date: 08/22/1995

Comments: The San Francisco Regional Water Quality Control Board (RWQCB) became

lead agency for the South Area on August 22, 1995. The IS&E Order was modified to reflect that the South Area was transferred to the RWQCB.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: CEQA - Initial Study/ Neg. Declaration

Completed Date: 12/30/1993

Comments: A Negative Declaration was adopted for the proposed Remedial Action

Plan.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)

Completed Date: 02/22/1990

Comments: An Order issued to require Responsible Party to conduct investigation

and cleanup.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: \* Discovery
Completed Date: 08/01/1980
Comments: Not reported

Completed Area Name: Sewer Replacement Completed Sub Area Name: Not reported

Completed Document Type: Voluntary Cleanup Agreement

Completed Date: 07/30/2008

Comments: The Proponent is the SF Public Utilities Commission. DTSC will

review reports pertaining to the replacement of the Sunnydale sanitary sewer. The sewer is located where groundwater contamination has been detected. Sources of contamination are from the previous

operations of Schlage Lock and the SP-Brisbane sites.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 05/22/2008

Comments: Consent Order with UPC and BP PLT-I, LLC

Completed Area Name: SF

Completed Sub Area Name: Not reported

Distance (ft.)Site Database(s) EPA ID Number

## SOUTHERN PACIFIC TRANSPORTATION CO. - BRISBANE (Continued)

S100833269

**EDR ID Number** 

Completed Document Type: Annual Oversight Cost Estimate

Completed Date: 10/13/2009

Comments: The estimated annual oversight cost is \$72,000.00 for the fiscal year

2009/2010.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Annual Oversight Cost Estimate

Completed Date: 09/22/2011 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Annual Oversight Cost Estimate

Completed Date: 11/09/2012 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Annual Oversight Cost Estimate

Completed Date: 09/11/2013 Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/04/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 05/18/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Completed Date: 07/18/2012
Comments: Demand letter #1

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction

Completed Date: 12/15/1995

Comments: Deed restriction recorded for the area 1 as described in the deed.

Completed Area Name: Sewer Replacement

Completed Sub Area Name: Not reported Completed Document Type: Other Report Completed Date: 10/15/2009

Comments: The Environmental Mitigation Plan consists of proposed plan to

address the handling of groundwater; abandonment of wells and

submittal of Health and Safety Plan.

Completed Area Name: Sewer Replacement Completed Sub Area Name: Not reported

Map ID Direction Distance Distance (ft.)Site

rection EDR ID Number

## SOUTHERN PACIFIC TRANSPORTATION CO. - BRISBANE (Continued)

S100833269

**EPA ID Number** 

Database(s)

Completed Document Type: Other Report Completed Date: 01/21/2009

Comments: The Report indicates that the sewer construction has no adverse impact to the lateral and vertical migration of the existing VOC

plume at the UPC site. Soil Management, Health and Safety and Waste Management Plans will be submitted to DTSC for review and approval.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/01/2008

Comments: Schedule is on track including the submittal and approval of Data Gap

Investigation and Treatability Study Workplan, Sampling Plan and Quality Assurance Project Plan (QAPP) which were completed in July

2008.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/22/2008

Comments: Schedule is on track. Fieldwork is on-going in the implementation of

the approved Pilot Study for Enhanced Reductive Dechlorination (ERD)

and In-Situ Chemical Oxidation (ISCO).

Completed Area Name: SF

Completed Sub Area Name: Not reported Completed Document Type: Fact Sheets Completed Date: 09/08/2009

Comments: The Fact Sheet is for the Final Dr. FS/RAP for the Sch OU and SF

County portion of the UPC OU1 site.

Completed Area Name: SF

Completed Sub Area Name: Not reported Completed Document Type: Public Notice Completed Date: 09/10/2009

Comments: The public notice is for the comment period Sept. 10 to October 13,

2009 of the Final Dr. FS/RAP for the Sch OU and the SF County portion

of the UPC OU-1 site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/26/2008

Comments: DTSC approved Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/29/2008

Comments: Schedule is on track. The Pilot Study fieldwork is on-going.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/22/2008

Comments: Schedule is on track. The pilot study fieldwork is on-going.

rection EDR ID Number

# SOUTHERN PACIFIC TRANSPORTATION CO. - BRISBANE (Continued)

S100833269

**EPA ID Number** 

Database(s)

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/21/2008

Comments: Additional ERD injection was necessary in November based on the

sampling results.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/23/2008

Comments: Further evaluation of the ERD pilot study is needed. Additional

injection and/or monitoring maybe necessary.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/28/2009

Comments: Further evaluation of the ERD pilot study needed. RAP document is

being prepared.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/26/2009

Comments: Further evaluation of the ERD pilot study needed. RAP document is

being prepared.

Completed Area Name: SF

Completed Sub Area Name: Not reported Completed Document Type: Other Report Completed Date: 04/28/2009

Comments: The Soil Management, Air Monitoring and Dust Monitoring Plans were

submitted on April 17, 2009. The Dr. RAP will be submitted on May 1,

2009.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 12/10/2009 Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/03/2009

Comments: RP is revising the SMP document.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 12/10/2009

Comments: Report found Enhance Reductive Dechlorination to be more effective in

reducing TCE and PCE concentrations than In-situ Chemical Oxidation.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

## SOUTHERN PACIFIC TRANSPORTATION CO. - BRISBANE (Continued)

S100833269

**EDR ID Number** 

Completed Document Type:

Comments:

Public Participation Plan / Community Relations Plan

Completed Date: 04/30/2009

The most recent update of a Public Participation Plan for the Schlage

Lock Site in Visitacion Valley, San Francisco, CA. This document reviews community interest, views, and concerns related to the investigation and cleanup activities at the Site while identifying effective public participation activities. The community surrounding the site is extremely varied. Through surveys and individual interviews residents expressed their major concerns which include: dust in an area known for its unpredictable winds; traffic and safety in an area that is already impacted by heavy truck traffic; health impacts and levels of contamination; and the length of time the investigation, clean up, and development are taking. The biggest concern was that a high level of consistent, understandable information be available to the community. This Public Participation Plan update proposes a multi-pronged outreach involving existing meetings and CBO?s to reach out to residents in their everyday

activities and in language they understand.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/26/2009

Comments: Building demolition is on-going. Consultant addressing DTSC's

comments on the RAP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/29/2009

Comments: Waiting for the GWM Reports and the Remedial Design and the

Implementation Plan.

Completed Area Name: Sewer Replacement

Completed Sub Area Name: Not reported Completed Document Type: Other Report Completed Date: 02/24/2011

Comments: The waste management plan addresses measures how to handle extracted

water and soil from the sewer installation operation.

Completed Area Name: Sewer Replacement Completed Sub Area Name: Not reported

Completed Document Type: Well Decommissioning Workplan

Completed Date: 03/11/2010

Comments: DTSC approved the well abandonment and replacement workplan for the

groundwater monitoring wells that may be in the way of the location

of the Sunnydale Auxiliary Sewer.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/28/2010

Comments: Implemenation delayed due to CEQA issue.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report

Map ID
Direction
EDR ID Number
Distance

Distance (ft.)Site Database(s) EPA ID Number

#### SOUTHERN PACIFIC TRANSPORTATION CO. - BRISBANE (Continued)

S100833269

Completed Date: 02/25/2010

Comments: Groundwater injection is on-going.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 03/30/2010

Comments: Report indicates groundwater VOC data is generally within historical

trend.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 07/23/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 10/27/2010

Comments: Groundwater monitoring results show dechlorination occuring more

effectively in some areas while less effectively in other areas. To help enhance the reductive dechlorination, deoxygenized water and

bugs were added.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Remedial Action Completion Report

Completed Date: 10/10/1994

Comments: A groundwater pump and treat system for the North Area was installed

on October 10, 1994.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Removal Action Completion Report

Completed Date: 01/26/1994

Comments: A soil removal was conducted.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Design/Implementation Workplan

Completed Date: 01/04/1994

Comments: A Remedial Design for the proposed cleanup was approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan

Completed Date: 12/30/1993

Comments: DTSC approved a Remedial Action Plan which consisted of a liquid phase/carbon adsorption extraction and treatment system to treat

contaminated groundwater with volatile organic compounds (VOCs).

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Feasibility Study Report

Completed Date: 03/06/1992

Comments: DTSC approved a Remedial Investigation/Feasibility Study which looked

EDR ID Number

#### SOUTHERN PACIFIC TRANSPORTATION CO. - BRISBANE (Continued)

S100833269

**EPA ID Number** 

Database(s)

at the different cleanup alternatives for the site.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Removal Action Completion Report

Completed Date: 06/30/1989
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Removal Action Workplan

Completed Date: 06/30/1989 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Removal Action Completion Report

Completed Date: 08/30/1988 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Removal Action Workplan

Completed Date: 08/30/1988 Comments: TANK

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 03/24/1987
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Public Participation Plan / Community Relations Plan

Completed Date: 04/07/1989

Comments: DTSC approved the Public Participation Plan.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Supplemental Site Investigation Workplan

Completed Date: 11/14/2005

Comments: Workplan to conduct sampling to fill data gaps approved.

Completed Area Name: Brisbane Portion
Completed Sub Area Name: Not reported

Completed Document Type: Risk Assessment Report

Completed Date: 11/14/2006

Comments: DTSC approved report

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Remedial Investigation Report

Completed Date: 02/17/2006

Comments: DTSC approved the Soil Sampling Report which indicated the presence

of arsenic, lead and volatile organic compounds in both the San

Francisco and Brisbane portions of the site.

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

## SOUTHERN PACIFIC TRANSPORTATION CO. - BRISBANE (Continued)

S100833269

**EDR ID Number** 

Completed Area Name: SF

Completed Sub Area Name: Not reported

Completed Document Type: Risk Assessment Report

Completed Date: 09/15/2006

Comments: The Human Health Risk Assessment (HHRA) for the SF parcel was

approved on Sept. 15, 2006. Without remediation, the HHRA indicates that the potential non-cancer and cancer risks for current and future

uses are above the acceptable levels.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 02/21/2006

Comments: There were no significant findings on the Report.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 08/14/2006

Comments: No comments were made except for requiring the P.E. stamp.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 08/21/2006

Comments: Report approved with no modifications.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 11/09/2006 Comments: Report approved.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 05/21/2007 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 05/21/2007 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 02/08/2006

Comments: DTSC reviewed the Report without further comments.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Risk Assessment Report

Completed Date: 06/22/2006

Comments: DTSC approves the Report based on several assumptions including the

design of the below grade garage, extent of soil removal and

rection EDR ID Number

## SOUTHERN PACIFIC TRANSPORTATION CO. - BRISBANE (Continued)

S100833269

**EPA ID Number** 

Database(s)

compliance with building code on ventillation.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Remedial Investigation Report

Completed Date: 10/18/2002

Comments: The RI Report indicated that the chemicals of concern at the Site

are chlorinated volatile organic compounds, primarily

perchloroethylene and trichloroethylene. The Report also identified three water-bearing zones at the site, the A-Fill, A-Sand and B-Sand.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Risk Assessment Report

Completed Date: 05/14/2003

Comments: The Report indicated that there is a potential for human health

exposure for future land use via ingestion of chemicals in groundwater, dermal conact with chemicals in groundwater, and inhalation of chemical vapors migrating from groundwater.

Groundwater ingestion and long term groundwater contact are however

highly unlikely.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Remedial Investigation Workplan

Completed Date: 08/15/2006

Comments: UPC implement soil workplan without DTSC's review.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 08/21/2006

Comments: Report approved with no modifications or comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/20/2006

Comments: comments sent to the City of Brisbane

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Remedial Investigation Report

Completed Date: 01/24/2007

Comments: Report summarizes recent sampling conducted on the property.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Completion Report

Completed Date: 07/24/2007

Comments: Extraction well GWE-5 was abandoned and replaced with a monitoring

well in the A-fill area.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Long Term Monitoring Report

Completed Date: 10/17/2007

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

## SOUTHERN PACIFIC TRANSPORTATION CO. - BRISBANE (Continued)

S100833269

**EDR ID Number** 

Comments: Report indicates consistent result as in the previous quarter.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Long Term Monitoring Report

Completed Date: 12/14/2007

Comments: report consistent with previous findings.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Long Term Monitoring Report

Completed Date: 01/30/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Long Term Monitoring Report

Completed Date: 06/30/2008

Comments: System operating within historic ranges.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Long Term Monitoring Report

Completed Date: 09/26/2008

Comments: The data are within historical trend.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Long Term Monitoring Report

Completed Date: 04/13/2009

Comments: Report indicates data within historical trend.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 12/28/2006

Comments: No significant change in VOC concentration trend. Groundwater on a

few wells were observed to be cloudy and brownish.

Completed Area Name: SF

Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan

Completed Date: 11/16/2009

Comments: The FS/RAP was approved on Nov. 16, 2009. The soil remediation

consists of excavation and capping of approximately 22,000 cubic yards of soil contaminated with metals. The groundwater will be treated through an Enhanced Reductive Dechlorination (ERD) process using sodium lactate. Sodium lactate is a food grade substance that will be injected into the groundwater to help the micro-organisms present in the soil and groundwater break down the VOCs into non-toxic compounds. Land Use Controls will also be imposed at the site and a soil management plan will be required when there is a plan to excavate or disturb contaminated soil. Operation and Maintenance of the cap and the groundwater monitoring systems will be required. Also, routine groundwater monitoring will be required until the groundwater cleanup standards (MCLs) are met. Please refer to the

Schlage Lock site for additional information on the RAP.

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

## SOUTHERN PACIFIC TRANSPORTATION CO. - BRISBANE (Continued)

S100833269

**EDR ID Number** 

Completed Area Name: SF

Completed Sub Area Name: Not reported

Completed Document Type: Design/Implementation Workplan

Completed Date: 01/06/2010

Comments: The Remedial Design Implementation Plan (RDIP) provided details for

injecting emulsified vegetable oil (EVO) into groundwater and excavating and treating approximately 15,000 cubic yards of VOC

contaminated soil.

Completed Area Name: SF

Completed Sub Area Name: Not reported

Completed Document Type: Pilot Study/Treatability Workplan

Completed Date: 07/18/2008

Comments: Treatbility study and data gap investigation workplan and associated

Sampling and Analysis Plan and Quality Assurance Project Plan approved. Pilot studies will be conducted to help determine the most effective method to clean up VOCs in the site soil and groundwater. Soil sampling will be conducted in several areas to better define the extent of soil contamination. The Groundwater Extraction and Treatment System has been turned off as part of this process.

Completed Area Name: SF

Completed Sub Area Name:
Completed Document Type:
Completed Date:
Completed Date:

Not reported
05/08/2009
Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Long Term Monitoring Report

Completed Date: 06/30/2008

Comments: Data is within historical trend.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 07/08/2008

Comments: Groundwater concentrations are within historical ranges.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 12/07/2010

Comments: Groundwater monitoring results show dechlorination occuring more effectively in some areas while less effectively in other areas.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 06/06/2011 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 07/12/2011
Comments: Not reported

rection EDR ID Number

# SOUTHERN PACIFIC TRANSPORTATION CO. - BRISBANE (Continued)

S100833269

**EPA ID Number** 

Database(s)

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 08/25/2011 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 11/10/2011 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 03/01/2012 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 03/22/2010

Comments: GWM Report indicates VOC data within historical trend.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/10/2010

Comments: VOC soil excavation is continuing. RAP implementation is on schedule.

Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/13/2010

Comments: VOC excavation is continuing. Soil gas sampling will begin May 17,

2010. RAP implementation is on schedule.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/17/2010

Comments: Soil gas sampling completed on May 20, 2010 at the Schlage OU (north

of Visitacion Valley). Completed excavation of soil contaminated with volatile organic compounds (VOCs) east of Plant 3/3X on the Schlage OU. Also, completed backfill of excavation. Additional excavation may be necessary on the southern portion of Schlage Lock.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/20/2010

Comments: Based on the most recent data, additional soil gas and total

petroleum hydrocarbon (TPH) investigation will be conducted in the

areas, north of Visitacion Avenue.

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance

Distance (ft.)Site Database(s) EPA ID Number

## SOUTHERN PACIFIC TRANSPORTATION CO. - BRISBANE (Continued)

S100833269

**EDR ID Number** 

Completed Sub Area Name: Not reported Completed Document Type: Other Report Completed Date: 09/29/2010

Comments: Follow-up testing for soil gas in the northern portion of Visitacion

Valley and areas previously covered with concrete slabs found VOCs above cleanup levels. Consequently, additional excavation and treatment of soil will be conducted during the month of October.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/24/2010

Comments: Excavation was completed at the northern portion of the site. Soil

gas sampling to be conducted in mid-December to confirm cleanup. ERD

injection into groundwater for the Brisbane portion of the site

starts during the week of Dec. 6.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/28/2010

Comments: The plan to conduct additional soil gas sampling is postponed until

January 2011.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/31/2011

Comments: /Oil vegetable injection on the Brisbane portion of the site was

completed on Dec. 22, 2010. Phase 2 soil gas sampling is currently

going on.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: \*Correspondence - Received

Completed Date: 07/28/2011 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Report

Completed Date: 05/23/2012 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Site Characterization Report

Completed Date: 03/22/2012 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Remedial Investigation Report

Completed Date: 11/22/1989
Comments: Not reported

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance

Distance (ft.)Site Database(s) EPA ID Number

## SOUTHERN PACIFIC TRANSPORTATION CO. - BRISBANE (Continued)

S100833269

**EDR ID Number** 

Completed Sub Area Name: Not reported Completed Document Type: Other Report 03/23/2012 Comments: Not reported Not reported

Future Area Name: Brisbane Portion
Future Sub Area Name: Not reported
Future Document Type: Remedial Action Plan

Future Due Date: 2016

Future Area Name: Brisbane Portion
Future Sub Area Name: Not reported
Future Document Type: Fact Sheets
Future Due Date: 2016

Future Area Name: Brisbane Portion
Future Sub Area Name: Not reported
Future Document Type: Public Notice
Future Due Date: 2016

Future Area Name: Brisbane Portion Future Sub Area Name: Not reported

Future Document Type: Design/Implementation Workplan

Future Due Date: 2016

Future Area Name: Brisbane Portion
Future Sub Area Name: Not reported

Future Document Type: Remedial Action Completion Report

Future Due Date: 2016
Future Area Name: Brisbane Portion
Future Sub Area Name: Not reported

Future Document Type: Operations and Maintenance Plan

Future Due Date: 2016

Future Area Name: Brisbane Portion Future Sub Area Name: Not reported

Future Document Type: CEQA - Responsible Agency Review

Future Due Date: 2016

Future Area Name: Brisbane Portion
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2016

Future Area Name: Brisbane Portion
Future Sub Area Name: Not reported
Future Document Type: Land Use Restriction

Future Due Date: 2016

Future Area Name: PROJECT WIDE Future Sub Area Name: Not reported

Future Document Type: Land Use Restriction - Release/Rescission

Future Due Date: 2015

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 Distance (ft.)Site

Direction EDR ID Number

13 VAN ARSDALE HARRIS LUMBER COMPANY 595 TUNNEL AVE BRISBANE, CA 94005 CA HIST CORTESE S100947808
CA LUST N/A
CA SWEEPS UST
CA San Mateo Co. BI

Database(s)

**EPA ID Number** 

HIST CORTESE:

Region: CORTESE
Facility County Code: 41
Reg By: LTNKA
Reg Id: 41-0631

LUST:

 Region:
 STATE

 Global Id:
 T0608100603

 Latitude:
 37.703873

 Longitude:
 -122.399216

 Case Type:
 LUST Cleanup Site

 Status:
 Completed - Case Closed

Status Date: 09/23/1992

Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)

Case Worker: Not reported

Local Agency: SAN MATEO COUNTY LOP

RB Case Number: 41-0631

LOC Case Number: 560016

File Location: Not reported

Potential Media Affect: Under Investigation

Potential Contaminants of Concern: Gasoline Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0608100603

Contact Type: Local Agency Caseworker
Contact Name: JACOB MADDEN

Organization Name: SAN MATEO COUNTY LOP
Address: 2000 ALAMEDA DE LAS PULGAS

City: SAN MATEO Email: jmadden@smcgov.org

Phone Number: 6503726298

Status History:

Global Id: T0608100603

Status: Open - Case Begin Date

Status Date: 05/09/1991

Global Id: T0608100603

Status: Completed - Case Closed

Status Date: 09/23/1992

Regulatory Activities:

 Global Id:
 T0608100603

 Action Type:
 Other

 Date:
 01/01/1950

 Action:
 Leak Discovery

Global Id: T0608100603 Action Type: Other

Distance (ft.)Site Database(s) EPA ID Number

# VAN ARSDALE HARRIS LUMBER COMPANY (Continued)

S100947808

**EDR ID Number** 

Date: 01/01/1950
Action: Leak Reported

 Global Id:
 T0608100603

 Action Type:
 Other

 Date:
 01/01/1950

 Action:
 Leak Stopped

LUST REG 2:

Region: 2

Facility Id: 41-0631
Facility Status: Case Closed
Case Number: 560016
How Discovered: Tank Closure
Leak Cause: Structure Failure

Leak Source: Tank
Date Leak Confirmed: Not reported
Oversight Program: LUST

Prelim. Site Assesment Wokplan Submitted:
Preliminary Site Assesment Began:
Pollution Characterization Began:
Pollution Remediation Plan Submitted:
Date Remediation Action Underway:
Not reported

SWEEPS UST:

Status: Not reported 560027 Comp Number: Not reported Number: Board Of Equalization: Not reported Referral Date: Not reported Action Date: Not reported Not reported Created Date: Not reported Owner Tank Id:

SWRCB Tank Id: 41-000-560027-000001

Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: LEADED

Number Of Tanks: 2

Status: Not reported Comp Number: 560027 Number: Not reported Board Of Equalization: Not reported Referral Date: Not reported Not reported Action Date: Created Date: Not reported Not reported Owner Tank Id:

SWRCB Tank ld: 41-000-560027-000002

Tank Status: Not reported

Capacity: 500

Active Date: Not reported

irection EDR ID Number

## VAN ARSDALE HARRIS LUMBER COMPANY (Continued)

S100947808

**EPA ID Number** 

Database(s)

Tank Use: M.V. FUEL
STG: PRODUCT
Content: LEADED
Number Of Tanks: Not reported

San Mateo Co. BI:

Region: SAN MATEO Facility ID: FA0010427

Prog Element Code: GENERATES <27 GAL/YEAR

Record Id: PR0011815

Description: GENERATES <27 GAL/YEAR

Region: SAN MATEO Facility ID: FA0010427

Prog Element Code: STORES HAZ MAT <1,199GAL,9,999LB,4,799FT3

Record Id: PR0033990

Description: STORES HAZ MAT <1,199GAL,9,999LB,4,799CF

Region: SAN MATEO Facility ID: FA0010427

Prog Element Code: UNDERGROUND TANK - GENERAL

Record Id: PR0022712

Description: UNDERGROUND TANK - GENERAL

# 14 SOUTH LEVINSON PARCEL MAIN STREET & BAYSHORE BOULEVARD BRISBANE, CA 94014

CA VCP S105557619
CA ENVIROSTOR N/A

VCP:

Facility ID: 41990004
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED

Acres: 21.82
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP

Lead Agency Description: DTSC - Site Cleanup Program

Project Manager: Jayantha Randeni Supervisor: Karen Toth Division Branch: Cleanup Berkeley

 Site Code:
 201448

 Assembly:
 22

 Senate:
 13

Special Programs Code: Voluntary Cleanup Program

Status: No Further Action Status Date: 01/28/2003
Restricted Use: NO

Funding: Responsible Party Lat/Long: 37.7 / -122.4088 APN: 005-014-090

Past Use: AGRICULTURAL - LIVESTOCK Potential COC: NONE SPECIFIED,31000

Confirmed COC: 31000
Potential Description: NMA
Alias Name: 005-014-090
Alias Type: APN

Map ID
Direction
Distance

Distance (ft.)Site Database(s) EPA ID Number

#### **SOUTH LEVINSON PARCEL (Continued)**

S105557619

**EDR ID Number** 

Alias Name: 110033605365
Alias Type: EPA (FRS #)
Alias Name: 201448

Alias Type: Project Code (Site Code)

Alias Name: 41990004

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Completed Document Type: Voluntary Cleanup Agreement

Completed Date: 07/23/2002

Comments: VCA signed with Loma Verde Properties for review of a PEA.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: \*Voluntary Cleanup Agreement Completion

Completed Date: 01/28/2003 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Preliminary Endangerment Assessment Report

Completed Date: 01/28/2003

Comments: Very low concentrations of toluene (maximum of 0.049 parts per

million [ppm]), ethylbenzene (maximum of 0.021 ppm) and xylenes (maximum of 0.15 ppm) have been found in shallow soils at the site. All but one sample collected from the northern edge of the property and analyzed for polynuclear aromatic hydrocarbons (PNAs) contained no detectable PNAs. The one detection of total PNAs was 0.006 ppm. A maximum concentration of 48 ppm total lead was also found at the site. No detectable concentrations of benzene, TPH gasoline, MTBE or PCBs were found in the samples analyzed from the site. DTSC

determined that no further action was necessary for this site.

Future Area Name: Not reported Future Sub Area Name: Not reported Not reported Future Document Type: Future Due Date: Not reported Not reported Schedule Area Name: Not reported Schedule Sub Area Name: Schedule Document Type: Not reported Schedule Due Date: Not reported Schedule Revised Date: Not reported

## **ENVIROSTOR:**

Facility ID: 41990004
Status: No Further Action
Status Date: 01/28/2003
Site Code: 201448

Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup

Acres: 21.82
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP

Program Manager: Jayantha Randeni

Distance (ft.)Site Database(s) EPA ID Number

## SOUTH LEVINSON PARCEL (Continued)

S105557619

**EDR ID Number** 

Supervisor: Karen Toth
Division Branch: Cleanup Berkeley

Assembly: 22 Senate: 13

Special Program: Voluntary Cleanup Program

Restricted Use: NO

Site Mgmt Req: NONE SPECIFIED Funding: Responsible Party

Latitude: 37.7 Longitude: -122.4088 APN: 005-014-090

Past Use: AGRICULTURAL - LIVESTOCK

Potential COC: NONE SPECIFIED No Contaminants found

Confirmed COC: No Contaminants found

Potential Description: NMA

Alias Name: 005-014-090 Alias Type: APN

Alias Name: 110033605365
Alias Type: EPA (FRS #)
Alias Name: 201448

Alias Type: Project Code (Site Code)

Alias Name: 41990004

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Voluntary Cleanup Agreement

Completed Date: 07/23/2002

Comments: VCA signed with Loma Verde Properties for review of a PEA.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: \*Voluntary Cleanup Agreement Completion

Completed Date: 01/28/2003 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Preliminary Endangerment Assessment Report

Completed Date: 01/28/2003

Comments: Very low concentrations of toluene (maximum of 0.049 parts per

million [ppm]), ethylbenzene (maximum of 0.021 ppm) and xylenes (maximum of 0.15 ppm) have been found in shallow soils at the site. All but one sample collected from the northern edge of the property and analyzed for polynuclear aromatic hydrocarbons (PNAs) contained no detectable PNAs. The one detection of total PNAs was 0.006 ppm. A maximum concentration of 48 ppm total lead was also found at the site. No detectable concentrations of benzene, TPH gasoline, MTBE or PCBs were found in the samples analyzed from the site. DTSC determined that no further action was necessary for this site.

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

**EDR ID Number** 

S105557619

**SOUTH LEVINSON PARCEL (Continued)** 

Schedule Document Type: Not reported Not reported Schedule Due Date: Schedule Revised Date: Not reported

15 **VACANT BUILDING** 350 INDUSTRIAL WAY **BRISBANE, CA 94005** 

SWEEPS UST:

Status: Not reported Comp Number: 4987 Number: Not reported Board Of Equalization: Not reported Referral Date: Not reported Not reported Action Date: Created Date: Not reported Owner Tank Id: Not reported

SWRCB Tank Id: 41-000-004987-000001

Tank Status: Not reported 1000 Capacity: Active Date: Not reported Tank Use: M.V. FUEL **PRODUCT** STG: LEADED Content: Number Of Tanks:

Notify 65:

Date Reported: Not reported Staff Initials: Not reported Board File Number: Not reported Facility Type: Not reported Discharge Date: Not reported Incident Description: 92201

**KESSLER AND KESSLER** 15 **250 INDUSTRIAL WY** BRISBANE, CA 94005

CA HIST CORTESE S100178738 **CA LUST** N/A CA Notify 65 CA San Mateo Co. BI

Database(s)

**CA SWEEPS UST** 

CA Notify 65

**EPA ID Number** 

S100179606

N/A

HIST CORTESE:

CORTESE Region: Facility County Code: 41 LTNKA Reg By: Reg Id: 41-0306

LUST:

Region: STATE Global Id: T0608100292 Latitude: 37.6972 Longitude: -122.4051 Case Type: LUST Cleanup Site Status: Open - Inactive

Status Date: 01/01/2000

SAN FRANCISCO BAY RWQCB (REGION 2) Lead Agency:

Case Worker: UUU

Distance
Distance (ft.)Site Database(s) EPA ID Number

## KESSLER AND KESSLER (Continued)

S100178738

**EDR ID Number** 

Local Agency: SAN MATEO COUNTY LOP

RB Case Number: 41-0306
LOC Case Number: 560006
File Location: Not reported

Potential Media Affect: Other Groundwater (uses other than drinking water)

Potential Contaminants of Concern: Gasoline Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0608100292

Contact Type: Regional Board Caseworker
Contact Name: Regional Board (RB2)

Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)

Address: 1515 CLAY ST SUITE 1400

City: OAKLAND
Email: Not reported
Phone Number: Not reported

Global Id: T0608100292

Contact Type: Local Agency Caseworker
Contact Name: JACOB MADDEN

Organization Name: SAN MATEO COUNTY LOP

Address: 2000 ALAMEDA DE LAS PULGAS

City: SAN MATEO Email: jmadden@smcgov.org

Phone Number: 6503726298

Status History:

Global Id: T0608100292

Status: Open - Verification Monitoring

Status Date: 09/09/1988

Global Id: T0608100292

Status: Open - Site Assessment

Status Date: 09/08/1988

 Global Id:
 T0608100292

 Status:
 Open - Inactive

 Status Date:
 01/01/2000

Global Id: T0608100292

Status: Open - Case Begin Date

Status Date: 04/28/1988

Regulatory Activities:

 Global Id:
 T0608100292

 Action Type:
 Other

 Date:
 01/01/1950

 Action:
 Leak Discovery

 Global Id:
 T0608100292

 Action Type:
 Other

 Date:
 01/01/1950

 Action:
 Leak Reported

**EDR ID Number** 

## **KESSLER AND KESSLER (Continued)**

S100178738

**EPA ID Number** 

Database(s)

Global Id: T0608100292 Action Type: Other 01/01/1950 Date: Action: Leak Stopped

LUST REG 2:

Region: 2

Oversight Program:

Facility Id: 41-0306

Facility Status: Post remedial action monitoring

Case Number: 560006 How Discovered: Tank Closure Leak Cause: Structure Failure Leak Source: Tank Date Leak Confirmed: Not reported LUST

Prelim. Site Assesment Wokplan Submitted: Not reported Preliminary Site Assesment Began: 9/8/1988 Pollution Characterization Began: Not reported Pollution Remediation Plan Submitted: Not reported Date Remediation Action Underway: Not reported Date Post Remedial Action Monitoring Began: 9/9/1988

Notify 65:

Date Reported: Not reported Staff Initials: Not reported Board File Number: Not reported Facility Type: Not reported Discharge Date: Not reported Incident Description: 92201

San Mateo Co. BI:

SAN MATEO Region: Facility ID: FA0036913

Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT

Record Id: PR0053766

Description: GENERATES & RECYCLES WASTE OIL/SOLVENT

Region: SAN MATEO Facility ID: FA0036913

Prog Element Code: STORES MV FUELS OR WASTE ONLY

Record Id: PR0053765

Description: STORES MV FUELS OR WASTE ONLY

#### 16 **BRISBANE LANDFILL** 245 TUNNEL RD.BETWEEN BAYSHORE BLVD & HW **BRISBANE, CA**

CA SWF/LF S102362412

N/A

SWF/LF (SWIS):

STATE Region: Facility ID: 41-AA-0061

37.69426 / -122.39695 Lat/Long: Owner Name: City Of Santa Maria Owner Telephone: 8059250951 Owner Address: Not reported Owner Address2: 2065 E. Main St.

**EDR ID Number** 

**BRISBANE LANDFILL (Continued)** 

S102362412

**EPA ID Number** 

Database(s)

Owner City, St, Zip: Santa Maria, CA 93454

Closed Operational Status: Operator: Not reported Operator Phone: Not reported Operator Address: Not reported Operator Address2: Not reported Operator City, St, Zip: Not reported Permit Date: Not reported Permit Status: Not reported

Permitted Acreage:

Activity: Solid Waste Disposal Site

Unpermitted Regulation Status: Not reported Landuse Name: GIS Source: Мар Disposal Category: Unit Number: 01 Quarterly Inspection Frequency: Accepted Waste: Not reported Closure Date: Not reported Closure Type: Not reported Disposal Acreage: O

SWIS Num: 41-AA-0061

Waste Discharge Requirement Num: Not reported Program Type: Not reported

Permitted Throughput with Units:

Actual Throughput with Units: Not reported

Permitted Capacity with Units: 0 Remaining Capacity:

Remaining Capacity with Units: Not reported

17 **QUICKSILVER PRODUCTS INC** 200 VALLEY DR STE 1

BRISBANE, CA 94005

**CORRACTS** 1000173574 RCRA-TSDF CAD981424732 **RCRA-SQG** 

**FINDS** 2020 COR ACTION

CORRACTS:

EPA ID: CAD981424732

EPA Region:

Area Name: **ENTIRE FACILITY** 

Actual Date: 19900101 CA029ST Action: NAICS Code(s): Not reported Original schedule date: Not reported Schedule end date: Not reported

EPA ID: CAD981424732

EPA Region: 09

Area Name: **ENTIRE FACILITY** 

19990203 Actual Date:

CA999 - Corrective Action Process Terminated Action:

NAICS Code(s): Not reported Original schedule date: Not reported Schedule end date: Not reported

EPA ID: CAD981424732

Distance (ft.)Site Database(s) EPA ID Number

## **QUICKSILVER PRODUCTS INC (Continued)**

1000173574

**EDR ID Number** 

EPA Region: 09

Area Name: ENTIRE FACILITY

Actual Date: 19981105

Action: CA100 - RFI Imposition

NAICS Code(s): Not reported Original schedule date: Not reported Schedule end date: Not reported

EPA ID: CAD981424732

EPA Region: 09

Area Name: ENTIRE FACILITY

Actual Date: 19981106

Action: CA380 - Date For Public Notice On Proposed Remedy

NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD981424732

EPA Region: 09

Area Name: ENTIRE FACILITY

Actual Date: 19930209

Action: CA225YE - Stabilization Measures Evaluation, This facility ,is

amenable to stabilization activity based on the, status of corrective action work at the facility, technical factors, the degree of risk, timing considerations and administrative considerations

NAICS Code(s): Not reported Original schedule date: Not reported Schedule end date: Not reported

EPA ID: CAD981424732

EPA Region: 09

Area Name: ENTIRE FACILITY

Actual Date: 19980810

Action: CA100 - RFI Imposition

NAICS Code(s): Not reported Original schedule date: Not reported Schedule end date: Not reported

EPA ID: CAD981424732

EPA Region: 09

Area Name: ENTIRE FACILITY

Actual Date: 19980810

Action: CA190 - RFI Report Received

NAICS Code(s): Not reported Original schedule date: Not reported Schedule end date: Not reported

EPA ID: CAD981424732

EPA Region: 09

Area Name: ENTIRE FACILITY

Actual Date: 20120315
Action: CA550RC
NAICS Code(s): Not reported
Original schedule date: 20120315
Schedule end date: Not reported

EPA ID: CAD981424732

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

#### QUICKSILVER PRODUCTS INC (Continued)

1000173574

**EDR ID Number** 

EPA Region: 09

Area Name: ENTIRE FACILITY

Actual Date: 19920717

Action: CA190 - RFI Report Received

NAICS Code(s): Not reported Original schedule date: Not reported Schedule end date: Not reported

EPA ID: CAD981424732

EPA Region: 09

Area Name: ENTIRE FACILITY

Actual Date: 20100518

Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human

Exposures Under Control has been verified

NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD981424732

EPA Region: 09

Area Name: ENTIRE FACILITY

Actual Date: 20100518

Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human

Exposures Under Control has been verified

NAICS Code(s): Not reported Original schedule date: 20100518 Schedule end date: Not reported

EPA ID: CAD981424732

EPA Region: 09

Area Name: ENTIRE FACILITY

Actual Date: 19920820

Action: CA260 - CMS Workplan Received

NAICS Code(s): Not reported Original schedule date: Not reported Schedule end date: Not reported

EPA ID: CAD981424732

EPA Region: 09

Area Name: ENTIRE FACILITY

Actual Date: 19920821

Action: CA100 - RFI Imposition

NAICS Code(s): Not reported Original schedule date: Not reported Schedule end date: Not reported

EPA ID: CAD981424732

EPA Region: 09

Area Name: ENTIRE FACILITY

Actual Date: 20120125

Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes,
Migration of Contaminated Groundwater Under Control has been verified

NAICS Code(s): Not reported Original schedule date: 20120125 Schedule end date: Not reported

EPA ID: CAD981424732

Distance (ft.)Site Database(s) EPA ID Number

## QUICKSILVER PRODUCTS INC (Continued)

1000173574

**EDR ID Number** 

EPA Region: 09

Area Name: ENTIRE FACILITY

Actual Date: 19911126

Action: CA100 - RFI Imposition

NAICS Code(s): Not reported Original schedule date: Not reported Schedule end date: Not reported

EPA ID: CAD981424732

EPA Region: 09

Area Name: ENTIRE FACILITY

Actual Date: 20000430

Action: CA050 - RFA Completed

NAICS Code(s): Not reported Original schedule date: 20000430 Schedule end date: Not reported

EPA ID: CAD981424732

EPA Region: 09

Area Name: ENTIRE FACILITY

Actual Date: 19970630

Action: CA075LO - CA Prioritization, Facility or area was assigned a low

corrective action priority

NAICS Code(s): Not reported Original schedule date: Not reported Schedule end date: Not reported

EPA ID: CAD981424732

EPA Region: 09

Area Name: ENTIRE FACILITY

Actual Date: 19981130

Action: CA400 - Date For Remedy Selection (CM Imposed)

NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD981424732

EPA Region: 09

Area Name: ENTIRE FACILITY

Actual Date: 19981130

Action: CA400 - Date For Remedy Selection (CM Imposed)

NAICS Code(s): Not reported Original schedule date: 19981130 Schedule end date: Not reported

EPA ID: CAD981424732

EPA Region: 09

Area Name: ENTIRE FACILITY

Actual Date: 19981231
Action: CA550RC
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD981424732

EPA Region: 09

Area Name: ENTIRE FACILITY

Distance (ft.)Site Database(s) **EPA ID Number** 

## QUICKSILVER PRODUCTS INC (Continued)

1000173574

**EDR ID Number** 

Actual Date: 19981231 CA550RC Action: NAICS Code(s): Not reported Original schedule date: 19981231 Schedule end date: Not reported

RCRA-TSDF:

Date form received by agency: 03/07/1997

Facility name: QUICKSILVER PRODUCTS INC

Facility address: 200 VALLEY DR STE 1 BRISBANE, CA 94005

EPA ID: CAD981424732 RITCHEY VAUGHN Contact: Contact address: 200 VALLEY DR STE 1

BRISBANE, CA 94005

Contact country: US

Contact telephone: (415) 468-2000 Contact email: Not reported

EPA Region: 09

Land type: Facility is not located on Indian land. Additional information is not known.

**TSDF** Classification:

Description: Handler is engaged in the treatment, storage or disposal of hazardous

waste

Owner/Operator Summary:

Owner/operator name: QUICKSILVER PRODUCTS INC Owner/operator address: 200 VALLEY DR SUITE 1

BRISBANE, CA 94005

Not reported

Not reported

Owner/operator country: Owner/operator telephone: (415) 555-1212 Legal status: Private Owner/Operator Type: Owner Owner/Op start date: Not reported

Handler Activities Summary:

Owner/Op end date:

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: Nο 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

Historical Generators:

Date form received by agency: 03/07/1997

Site name: QUICKSILVER PRODUCTS INC

Map ID
Direction
Distance

Distance (ft.)Site Database(s) EPA ID Number

## QUICKSILVER PRODUCTS INC (Continued)

1000173574

**EDR ID Number** 

Classification: Large Quantity Generator

Date form received by agency: 09/01/1996

Site name: QUICKSILVER PRODUCTS INC Classification: Small Quantity Generator

Date form received by agency: 05/30/1994

Site name: QUICKSILVER RECYCLING INC Classification: Large Quantity Generator

Corrective Action Summary:

Event date: 01/01/1990 Event: CA029ST

Event date: 11/26/1991 Event: RFI Imposition

Event date: 07/17/1992

Event: RFI Report Received

Event date: 08/20/1992

Event: CMS Workplan Received

Event date: 08/21/1992 Event: RFI Imposition

Event date: 02/09/1993

Event: Stabilization Measures Evaluation, This facility is amenable to

stabilization activity based on the status of corrective action work

at the facility, technical factors, the degree of risk, timing

considerations and administrative considerations.

Event date: 06/30/1997

Event: CA Prioritization, Facility or area was assigned a low corrective

action priority.

Event date: 08/10/1998

Event: RFI Report Received

Event date: 08/10/1998 Event: RFI Imposition

Event date: 11/05/1998 Event: RFI Imposition

Event date: 11/06/1998

Event: Date For Public Notice On Proposed Remedy

Event date: 11/30/1998

Event: Date For Remedy Selection (CM Imposed)

Event date: 11/30/1998

Event: Date For Remedy Selection (CM Imposed)

Event date: 12/31/1998 Event: CA550RC

Map ID Direction Distance Distance (ft.)Site

vistance

## QUICKSILVER PRODUCTS INC (Continued)

1000173574

Database(s)

**EDR ID Number** 

**EPA ID Number** 

Event date: 12/31/1998
Event: CA550RC

Event date: 02/03/1999

Event: Corrective Action Process Terminated

Event date: 04/30/2000 Event: RFA Completed

Event date: 05/18/2010

Event: Current Human Exposures under Control, Yes, Current Human Exposures

Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant

changes at the facility.

Event date: 05/18/2010

Event: Current Human Exposures under Control, Yes, Current Human Exposures

Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant

changes at the facility.

Event date: 01/25/2012

Event: Igration of Contaminated Groundwater under Control, Yes, Migration of

Contaminated Groundwater Under Control has been verified. Based on a review of information contained in the El determination, it has been determined that migration of contaminated groundwater is under control at the facility. Specifically, this determination indicates that the migration of contaminated groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the existing area of contaminated groundwater. This determination will be re-evaluated when the Agency becomes aware of

significant changes at the facility.

Event date: 03/15/2012 Event: CA550RC

Facility Has Received Notices of Violations:

Regulation violated:

Not reported

Area of violation: TSD - Financial Requirements

Date violation determined: 02/25/1998
Date achieved compliance: 12/31/1998
Violation lead agency: State

Enforcement action: FINAL 3008(A) COMPLIANCE ORDER

Enforcement action date: 07/16/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Distance (ft.)Site Database(s) EPA ID Number

## QUICKSILVER PRODUCTS INC (Continued)

1000173574

**EDR ID Number** 

Regulation violated: Not reported

Area of violation: TSD - Closure/Post-Closure

Date violation determined: 02/25/1998
Date achieved compliance: 12/31/1998
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 04/27/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

Area of violation: TSD - Closure/Post-Closure

Date violation determined: 02/25/1998
Date achieved compliance: 12/31/1998
Violation lead agency: State

Enforcement action: FINAL 3008(A) COMPLIANCE ORDER

Enforcement action date: 07/16/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

Area of violation: TSD - Financial Requirements

Date violation determined: 02/25/1998
Date achieved compliance: 12/31/1998
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 04/27/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 270
Area of violation: TSD - General
Date violation determined: 01/19/1996
Date achieved compliance: 12/31/1998
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 12/21/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.140-150.H

Distance (ft.)Site Database(s) EPA ID Number

#### QUICKSILVER PRODUCTS INC (Continued)

1000173574

**EDR ID Number** 

Area of violation: TSD - Financial Requirements

Date violation determined: 01/19/1996
Date achieved compliance: 12/10/1996
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 12/21/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 12/21/1995
Date achieved compliance: Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 12/21/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.30-37.C
Area of violation: TSD - General
Date violation determined: 12/21/1995
Date achieved compliance: Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 12/21/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 262.30-34.C
Area of violation: Generators - General

Date violation determined: 12/21/1995
Date achieved compliance: 12/31/1998
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 12/21/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.30-37.C Area of violation: TSD - General

Distance (ft.)Site Database(s) EPA ID Number

#### QUICKSILVER PRODUCTS INC (Continued)

1000173574

**EDR ID Number** 

Date violation determined: 05/26/1995
Date achieved compliance: 12/31/1998
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 05/01/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 262.50-60
Area of violation: Generators - General

Date violation determined: 05/01/1995
Date achieved compliance: 12/31/1998
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 05/01/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: F - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 05/01/1995
Date achieved compliance: Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 05/01/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 270
Area of violation: TSD - General
Date violation determined: 05/01/1995
Date achieved compliance: 12/31/1998
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 05/01/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

Proposed penalty amount: Not reported

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: F - 264.70-77.E Area of violation: TSD - General Date violation determined: 05/01/1995

Distance

## QUICKSILVER PRODUCTS INC (Continued)

1000173574

Database(s)

**EDR ID Number** 

**EPA ID Number** 

Date achieved compliance: 12/31/1998 Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 05/01/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.140-150.H

Area of violation: TSD - Financial Requirements

Date violation determined: 05/01/1995
Date achieved compliance: 12/10/1996
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 05/01/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: FR - 264.170-177.I
Area of violation: TSD - General
Date violation determined: 04/27/1995
Date achieved compliance: Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 05/01/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.30-37.C
Area of violation: TSD - General
Date violation determined: 10/28/1994
Date achieved compliance: 12/31/1998

Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 09/29/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - FEA

Area of violation: Formal Enforcement Agreement or Order

Date violation determined: 10/28/1994 Date achieved compliance: 12/31/1998

irection EDR ID Number istance

## QUICKSILVER PRODUCTS INC (Continued)

1000173574

**EPA ID Number** 

Database(s)

Violation lead agency:

Enforcement action: WRITTEN INFORMAL

State

Enforcement action date: 09/29/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 270
Area of violation: TSD - General
Date violation determined: 09/29/1994
Date achieved compliance: 12/31/1998
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 09/29/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: F - FEA

Area of violation: Formal Enforcement Agreement or Order

Date violation determined: 08/11/1994
Date achieved compliance: 12/31/1998
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 08/11/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.170-177.I
Area of violation: TSD - General
Date violation determined: 08/11/1994
Date achieved compliance: 12/31/1998
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 08/11/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 262.30-34.C Area of violation: Generators - General

Date violation determined: 06/20/1994
Date achieved compliance: 12/31/1998
Violation lead agency: State

Distance (ft.)Site Database(s) EPA ID Number

#### QUICKSILVER PRODUCTS INC (Continued)

1000173574

**EDR ID Number** 

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 06/20/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 06/20/1994
Date achieved compliance: Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 06/20/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: F - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 06/20/1994
Date achieved compliance: Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 06/20/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.30-37.C
Area of violation: TSD - General
Date violation determined: 06/20/1994
Date achieved compliance: Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 06/20/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: F - 262.30-34.C
Area of violation: Generators - General

Date violation determined: 06/25/1993
Date achieved compliance: 12/31/1998
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Distance (ft.)Site Database(s) EPA ID Number

## QUICKSILVER PRODUCTS INC (Continued)

1000173574

**EDR ID Number** 

Enforcement action date: 08/19/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.50-60
Area of violation: Generators - General

Date violation determined: 06/25/1993
Date achieved compliance: 06/20/1994
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 08/19/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 06/25/1993
Date achieved compliance: Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 08/19/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported

Final penalty amount: Not reported Not reported Paid penalty amount: Not reported Not reported Not reported

Regulation violated: FR - 264.30-37.C
Area of violation: TSD - General
Date violation determined: 09/11/1991
Date achieved compliance: Violation lead agency: State

Enforcement action: INITIAL 3008(A) COMPLIANCE

Enforcement action date: 09/30/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported Not reported

Regulation violated: FR - 262.50-60
Area of violation: Generators - General

Date violation determined: 09/11/1991
Date achieved compliance: 06/20/1994
Violation lead agency: State

Enforcement action: FINAL 3008(A) COMPLIANCE ORDER

Enforcement action date: 05/09/1996

Distance (ft.)Site Database(s) EPA ID Number

## QUICKSILVER PRODUCTS INC (Continued)

1000173574

**EDR ID Number** 

Enf. disposition status:

Enf. disp. status date:

Enforcement lead agency:

Proposed penalty amount:

Final penalty amount:

Paid penalty amount:

Not reported

Not reported

Not reported

Not reported

Regulation violated: FR - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 09/11/1991
Date achieved compliance: Violation lead agency: State

Enforcement action: FINAL 3008(A) COMPLIANCE ORDER

09/11/1991

Enforcement action date: 05/13/1992
Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State
Proposed penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: FR - 262.50-60
Area of violation: Generators - General

Date achieved compliance: 06/20/1994 Violation lead agency: State Enforcement action: Not reported Enforcement action date: Not reported Enf. disposition status: Not reported Not reported Enf. disp. status date: Enforcement lead agency: Not reported Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Date violation determined:

Regulation violated: FR - 262.50-60
Area of violation: Generators - General

Date violation determined: 09/11/1991
Date achieved compliance: 06/20/1994
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 09/17/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

Enforcement lead agency: State

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: FR - 262.50-60
Area of violation: Generators - General

Date violation determined: 09/11/1991
Date achieved compliance: 06/20/1994
Violation lead agency: State

Enforcement action: FINAL 3008(A) COMPLIANCE ORDER

Enforcement action date: 05/13/1992 Enf. disposition status: Not reported

Distance (ft.)Site Database(s) EPA ID Number

## QUICKSILVER PRODUCTS INC (Continued)

1000173574

**EDR ID Number** 

Enf. disp. status date: Not reported Enforcement lead agency: State
Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: FR - 264.170-177.I
Area of violation: TSD - General
Date violation determined: 09/11/1991
Date achieved compliance: 12/21/1992
Violation lead agency: State

Enforcement action: FINAL 3008(A) COMPLIANCE ORDER

Enforcement action date: 05/13/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.170-177.I
Area of violation: TSD - General
Date violation determined: 09/11/1991
Date achieved compliance: 12/21/1992
Violation lead agency: State

Enforcement action: INITIAL 3008(A) COMPLIANCE

Enforcement action date: 09/30/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.50-60
Area of violation: Generators - General

Date violation determined: 09/11/1991
Date achieved compliance: 06/20/1994
Violation lead agency: State

Enforcement action: INITIAL 3008(A) COMPLIANCE

Enforcement action date: 09/30/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported

Regulation violated: FR - 264.30-37.C
Area of violation: TSD - General
Date violation determined: 09/11/1991
Date achieved compliance: Violation lead agency: State

Paid penalty amount:

Enforcement action: FINAL 3008(A) COMPLIANCE ORDER

Not reported

Enforcement action date: 05/13/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

Distance (ft.)Site Database(s) **EPA ID Number** 

#### QUICKSILVER PRODUCTS INC (Continued)

1000173574

**EDR ID Number** 

Enforcement lead agency: State Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

FR - 264.70-77.E Regulation violated: Area of violation: TSD - General Date violation determined: 09/11/1991 Date achieved compliance: 12/21/1992 Violation lead agency: State

Enforcement action: INITIAL 3008(A) COMPLIANCE

09/30/1991 Enforcement action date: Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: FR - 262.50-60 Area of violation: Generators - General

Date violation determined: 07/17/1989 Date achieved compliance: 07/24/1989 Violation lead agency: State

Enforcement action: FINAL 3008(A) COMPLIANCE ORDER

09/30/1991 Enforcement action date: Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: FR - 262.50-60 Generators - General Area of violation:

Date violation determined: 07/17/1989 07/24/1989 Date achieved compliance: Violation lead agency: State

INITIAL 3008(A) COMPLIANCE Enforcement action:

Enforcement action date: 09/30/1991 Not reported Enf. disposition status: Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: Not reported Not reported Final penalty amount: Paid penalty amount: Not reported

**Evaluation Action Summary:** 

Evaluation date: 02/25/1998

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

TSD - Closure/Post-Closure Area of violation:

Date achieved compliance: 12/31/1998 Evaluation lead agency: State

Evaluation date: 02/25/1998

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD - Financial Requirements

Distance (ft.)Site Database(s) EPA ID Number

#### QUICKSILVER PRODUCTS INC (Continued)

1000173574

**EDR ID Number** 

Date achieved compliance: 12/31/1998 Evaluation lead agency: State

Evaluation date: 02/25/1998

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:
Date achieved compliance:
Evaluation lead agency:
Not reported
State

Evaluation date: 12/10/1996

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:
Date achieved compliance:
Evaluation lead agency:

Not reported
Not reported
State

Evaluation date: 12/21/1995

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - General

Date achieved compliance: 12/31/1998 Evaluation lead agency: State

Evaluation date: 12/21/1995

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD - Financial Requirements

Date achieved compliance: 12/10/1996 Evaluation lead agency: State

Evaluation date: 12/21/1995

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD - General Date achieved compliance: 12/31/1998 Evaluation lead agency: State

Evaluation date: 04/27/1995

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD - General Date achieved compliance: 04/27/1995
Evaluation lead agency: State

Evaluation date: 04/27/1995

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - General

Date achieved compliance: 12/31/1998 Evaluation lead agency: State

Evaluation date: 04/27/1995

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD - Financial Requirements

Date achieved compliance: 12/10/1996 Evaluation lead agency: State

Evaluation date: 04/27/1995

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD - General Date achieved compliance: 12/31/1998 Evaluation lead agency: State

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

## QUICKSILVER PRODUCTS INC (Continued)

1000173574

**EDR ID Number** 

Evaluation date: 09/29/1994

Evaluation: FOLLOW-UP INSPECTION

Area of violation: Formal Enforcement Agreement or Order

Date achieved compliance: 12/31/1998 Evaluation lead agency: State

Evaluation date: 09/29/1994

Evaluation: FOLLOW-UP INSPECTION

Area of violation: TSD - General Date achieved compliance: 12/31/1998 Evaluation lead agency: State

Evaluation date: 06/20/1994

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Formal Enforcement Agreement or Order

Date achieved compliance: 12/31/1998 Evaluation lead agency: State

Evaluation date: 06/20/1994

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD - General Date achieved compliance: 12/31/1998 Evaluation lead agency: State

Evaluation date: 06/20/1994

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - General

Date achieved compliance: 12/31/1998 Evaluation lead agency: State

Evaluation date: 06/25/1993

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - General

Date achieved compliance: 12/31/1998 Evaluation lead agency: State

Evaluation date: 06/25/1993

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD - General Date achieved compliance: 12/31/1998 Evaluation lead agency: State

Evaluation date: 06/25/1993

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - General

Date achieved compliance: 06/20/1994 Evaluation lead agency: State

Evaluation date: 05/05/1993

Evaluation: FOCUSED COMPLIANCE INSPECTION

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 09/11/1991

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - General

Distance (ft.)Site Database(s) EPA ID Number

## QUICKSILVER PRODUCTS INC (Continued)

1000173574

**EDR ID Number** 

Date achieved compliance: 06/20/1994 Evaluation lead agency: State

Evaluation date: 09/11/1991

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD - General Date achieved compliance: 12/21/1992 Evaluation lead agency: State

Evaluation date: 07/17/1989

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - General

Date achieved compliance: 07/24/1989 Evaluation lead agency: State

FINDS:

Registry ID: 110000610027

Environmental Interest/Information System

California Department of Toxic Substances Control EnviroStor System (DTSC-EnviroStor) is an online search and Geographic Information System (GIS) tool for identifying sites that have known contamination or sites for which there may be reasons to investigate further. 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.

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.

2020 COR ACTION:

EPA ID: CAD981424732

Region: 9

Action: Not reported

#### 17 QUICKSILVER PRODUCTS INC 200 VALLEY DR BRISBANE, CA 94005

CA HWP S103967188 N/A

HWP:

EPA Id: CAD981424732
Cleanup Status: CLOSED
Latitude: 37.68822
Longitude: -122.4050

Facility Type: Historical - Non-Operating

Facility Size: Not reported Team: Not reported Supervisor: Not reported Site Code: Not reported

Assembly District: 22 Senate District: 13

Distance (ft.)Site Database(s) EPA ID Number

## QUICKSILVER PRODUCTS INC (Continued)

S103967188

**EDR ID Number** 

Public Information Officer: Not reported

Activities:

EPA ld: CAD981424732

Facility Type: Historical - Non-Operating Unit Names: CONTAIN1 (GPRA Unit)

Event Description: New Operating Permit - FINAL PERMIT (EFFECTIVE)

Actual Date: 08/07/1989

EPA ld: CAD981424732

Facility Type: Historical - Non-Operating Unit Names: CONTAIN1 (GPRA Unit)

Event Description: New Operating Permit - APPLICATION PART A RECEIVED

Actual Date: 12/05/1988

EPA Id: CAD981424732

Facility Type: Historical - Non-Operating Unit Names: CONTAIN1 (GPRA Unit)

Event Description: New Operating Permit - FINAL PERMIT

Actual Date: 08/07/1989

EPA ld: CAD981424732

Facility Type: Historical - Non-Operating Unit Names: CONTAIN1 (GPRA Unit)

Event Description: New Operating Permit - FINAL PERMIT (EFFECTIVE)

Actual Date: 08/07/1989

EPA ld: CAD981424732

Facility Type: Historical - Non-Operating Unit Names: CONTAIN1 (GPRA Unit)

Event Description: New Operating Permit - PUBLIC COMMENT (END)

Actual Date: 01/21/1989

EPA ld: CAD981424732

Facility Type: Historical - Non-Operating Unit Names: CONTAIN1 (GPRA Unit)

Event Description: New Operating Permit - DRAFT PERMIT

Actual Date: 12/07/1988

EPA ld: CAD981424732

Facility Type: Historical - Non-Operating Unit Names: CONTAIN1 (GPRA Unit)

Event Description: New Operating Permit - CALL-IN LETTER ISSUED

Actual Date: 10/01/1985

EPA ld: CAD981424732

Facility Type: Historical - Non-Operating Unit Names: CONTAIN1 (GPRA Unit)

Event Description: New Operating Permit - PUBLIC COMMENT (BEGIN)

Actual Date: 12/07/1988

EPA ld: CAD981424732

Facility Type: Historical - Non-Operating Unit Names: CONTAIN1 (GPRA Unit)

Event Description: New Operating Permit - CALL-IN LETTER ISSUED

Actual Date: 10/01/1985

EPA ld: CAD981424732

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

## QUICKSILVER PRODUCTS INC (Continued)

S103967188

**EDR ID Number** 

Facility Type: Historical - Non-Operating Unit Names: CONTAIN1 (GPRA Unit)

Event Description: New Operating Permit - PUBLIC COMMENT (BEGIN)

Actual Date: 12/07/1988

EPA ld: CAD981424732

Facility Type: Historical - Non-Operating Unit Names: CONTAIN1 (GPRA Unit)

Event Description: New Operating Permit - RESPONSE TO 3RD NOD RECEIVED

Actual Date: 12/06/1988

EPA Id: CAD981424732

Facility Type: Historical - Non-Operating Unit Names: CONTAIN1 (GPRA Unit)

Event Description: New Operating Permit - FINAL PERMIT

Actual Date: 08/07/1989

EPA Id: CAD981424732

Facility Type: Historical - Non-Operating Unit Names: CONTAIN1 (GPRA Unit)

Event Description: New Operating Permit - FINAL PERMIT (EXPIRES)

Actual Date: 08/06/1994

EPA ld: CAD981424732

Facility Type: Historical - Non-Operating Unit Names: CONTAIN1 (GPRA Unit)

Event Description: New Operating Permit - TECHNICAL COMPLETE LETTER

Actual Date: 12/06/1988

EPA ld: CAD981424732

Facility Type: Historical - Non-Operating Unit Names: CONTAIN1 (GPRA Unit)

Event Description: New Operating Permit - APPLICATION PART B RECEIVED

Actual Date: 04/02/1986

Closure:

EPA Id: CAD981424732

Facility Type: Historical - Non-Operating Unit Names: CONTAIN1 (GPRA Unit)

Event Description: Closure Final - ISSUE CLOSURE VERIFICATION

Actual Date: 06/25/1999

Alias:

EPA ld: CAD981424732

Facility Type: Historical - Non-Operating Alias Type: Envirostor ID Number

Alias: 41280138

irection EDR ID Number

Distance (ft.)Site Database(s) EPA ID Number

**CA HIST Cal-Sites** 

S100538927

N/A

#### 17 QUICKSILVER PRODUCTS, INC 200 VALLEY DR BRISBANE, CA 94005

Calsite:

Region: BERKELEY
Facility ID: 41280138
Facility Type: STATE

Type: STATE FUNDED SITE

Branch: NC

Branch Name: NORTH COAST

File Name: QUICKSILVER PRODUCTS, INC

State Senate District: 12311998

Status: CERTIFIED AS HAVING BEEN REMEDIED SATISFACTORILY UNDER DTSC OVERSIGHT

Status Name: CERTIFIED

Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL

NPL: Not Listed SIC Code: 28

SIC Name: MANU - CHEMICALS & ALLIED PRODUCTS

Access: Controlled Cortese: Not reported

Hazardous Ranking Score: Not reported
Date Site Hazard Ranked: Not reported
Groundwater Contamination: Not reported
Staff Member Responsible for Site: MPIROS
Supervisor Responsible for Site: Not reported

Region Water Control Board: SF

Region Water Control Board Name: SAN FRANCISCO BAY

Lat/Long Direction:

Not reported
Lat/Long (dms):

0 0 0 / 0 0 0

Lat/long Method:

Not reported
Not reported
Not reported

State Assembly District Code: 19
State Senate District Code: 08
Facility ID: 41280138
Activity: ORDER

Activity Name: I/SE, IORSE, FFA, FFSRA, VCA, EA

AWP Code: ISE-D Proposed Budget: 0

AWP Completion Date:

Revised Due Date:

Comments Date:

Est Person-Yrs to complete:

Not reported
11261991

11261991

Estimated Size: Not reported

Request to Delete Activity:
Activity Status:
Definition of Status:

Not reported
CERT
CERTIFIED

Liquids Removed (Gals): 0 Liquids Treated (Gals): 0

Action Included Capping:
Well Decommissioned:
Action Included Fencing:
Removal Action Certification:
Activity Comments:
Not reported
Not reported
Not reported
Not reported

For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0

Facility ID: 41280138

Distance (ft.)Site Database(s) EPA ID Number

## QUICKSILVER PRODUCTS, INC (Continued)

Activity: FRIFS

Activity Name: FOCUSED REMEDIAL INVESTIGATION/FEASIBILITY STUDY

AWP Code: Not reported

Proposed Budget:

AWP Completion Date: Not reported Revised Due Date: Not reported Comments Date: 06301992

Est Person-Yrs to complete:

Estimated Size: Not reported Request to Delete Activity: Not reported Activity Status: CERT Definition of Status: CERTIFIED

Liquids Removed (Gals): 0
Liquids Treated (Gals): 0

Action Included Capping:

Well Decommissioned:

Action Included Fencing:

Removal Action Certification:

Activity Comments:

Not reported

Not reported

Not reported

For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 41280138
Activity: ORDER

Activity Name: I/SE, IORSE, FFA, FFSRA, VCA, EA

AWP Code: ISE Proposed Budget: 0

AWP Completion Date:

Revised Due Date:

Comments Date:

Est Person-Yrs to complete:

Not reported

Not reported

08211992

Estimated Size: Not reported Request to Delete Activity: Not reported Activity Status: CERT Definition of Status: CERTIFIED

Liquids Removed (Gals): 0
Liquids Treated (Gals): 0

Action Included Capping:
Well Decommissioned:
Action Included Fencing:
Removal Action Certification:
Activity Comments:
Not reported
Not reported
Not reported

For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 41280138
Activity: RA

Activity Name: REMOVAL ACTION

AWP Code: STORM Proposed Budget: 0

AWP Completion Date:

Revised Due Date:

Comments Date:

Not reported
Not reported
03151993

Est Person-Yrs to complete:

Estimated Size: Not reported

**EDR ID Number** 

S100538927

Map ID
Direction
EDR ID Number
Distance

Distance (ft.)Site Database(s) EPA ID Number

#### QUICKSILVER PRODUCTS, INC (Continued)

Request to Delete Activity:
Activity Status:
Definition of Status:
Not reported
CERT
CERTIFIED

Liquids Removed (Gals): 1 Liquids Treated (Gals): 0

Action Included Capping: Not reported Well Decommissioned: Not reported Action Included Fencing: Not reported

Removal Action Certification: N

Activity Comments: APPROXIMATELY 3 CU FEET OF MERCURY CONTAMINATED SEDIMENT IN TWO

CATCHBASINS LOCATED NEXT TO THE FACILITY.

For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 4128

Facility ID: 41280138 Activity: RA

Activity Name: REMOVAL ACTION

AWP Code: CLOSE Proposed Budget: 0

AWP Completion Date:

Revised Due Date:

Comments Date:

Est Person-Yrs to complete:

Estimated Size:

Not reported

12311998

0

Not reported

Request to Delete Activity:
Activity Status:
Definition of Status:
CERT
CERTIFIED

Liquids Removed (Gals): 2 Liquids Treated (Gals): 0

Action Included Capping: Not reported Well Decommissioned: Not reported Action Included Fencing: Not reported

Removal Action Certification: N

Activity Comments: ALL CHEMICALS WERE REMOVED AND PROPERLY DISPOSED. THE BUILDING

WASDECONTAMINATED FROM ANY CHEMICAL RESIDUES.

For Commercial Reuse: 0.25000
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 4128013

Facility ID: 41280138 Activity: COST

Activity Name: COST RECOVERY

AWP Code: SETTL
Proposed Budget: 0
AWP Completion Date: Not rep

AWP Completion Date:

Revised Due Date:

Comments Date:

Est Person-Yrs to complete:

Description Date:

Not reported

07012002

Est Person-Yrs to complete:

Not reported

Not reported

Request to Delete Activity:
Activity Status:
Definition of Status:
CERTIFIED

Liquids Removed (Gals): 0
Liquids Treated (Gals): 0

Action Included Capping: Not reported Well Decommissioned: Not reported

S100538927

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

## QUICKSILVER PRODUCTS, INC (Continued)

Action Included Fencing:

Removal Action Certification:

Not reported Not reported **EDR ID Number** 

S100538927

**Activity Comments:** Not reported For Commercial Reuse: 0 For Industrial Reuse: 0 For Residential Reuse: 0 Unknown Type: n Alternate Address: 200 VALLEY DRIVE Alternate City, St, Zip: BRISBANE, CA 94055 Alternate Address: 200 VALLEY DR BRISBANE, CA 94005 Alternate City, St, Zip:

Background Info: Quicksilver Products was a mercury recycling facility that

operated under a Hazardous Waste Facility Permit issued by the Department. The facility accepted mercury-containing items and equipment, including electrical gauges, switches, thermometers, manometers, lighting fixtures, and laboratory equipment. Mercury was drained from these items, refined through mechanical separation and distillation and then sold. Prior to the initiation of closure of the facility, Quicksilver Products was conducting their operations and storing waste in Suites 1

through 5 in the Valley Drive Business Park.

Comments Date: 11261991

Comments: storage were allowed under their permit. The permit only

Comments Date: 11261991

Comments: allowed operation in Suite 1, while Quicksilver Products had

Comments Date: 11261991

Comments: expanded its storage activities into Suites 2 through 5.

Comments Date: 12311998

Comments: Completed RA. DTSC contractors performed a removal action to

Comments Date: 12311998

Comments: allow for closure of Suite 1 which housed the formerly

Comments Date: 12311998

Comments: permitted hazardous unit. The removal action consisted of two

Comments Date: 12311998

Comments: primary actions: 1) removal and disposal or recycling 123

Comments Date: 12311998

Comments: containers, parts, and pieces of equipment containing or

Comments Date: 12311998

Comments: contaminated by mercury and other hazardous wastes; and 2)

Comments Date: 12311998

Comments: decontamination or removal and disposal of interior walls and

Comments Date: 12311998

Comments: floors. A portion of the waste was removed by a contractor for

Comments Date: 12311998

Comments: Pacific Gas and Electric. Wipe sampling of the walls and floors

Comments Date: 12311998

Comments: wa performed to verify that the DTSC-calculated cleanup levels

Comments Date: 12311998

Comments: for mercury and cadmium were achieved. The cleanup levels for

Comments Date: 12311998

Comments: mercury and cadmium were 4 and 20 micrograms per 100 square

Comments Date: 12311998

Comments: centimeters of surface area, respectively.

Comments Date: 03151993

Comments: Completed RA. About 3 cubic feet of mercury contaminated storm

Comments Date: 03151993

Comments: drain sediments in two catch basins located next to the facility

Map ID Direction Distance

Distance (ft.)Site Database(s) **EPA ID Number** 

## QUICKSILVER PRODUCTS, INC (Continued)

S100538927

**EDR ID Number** 

Comments Date: 03151993

were removed. The remaining cleanup activities ongoing at the Comments:

Comments Date: 03151993

Comments: site will be overseen by the Surveillance and Enforcement Branch.

Comments Date:

Comments: DTSC's Hazardous Waste Management Program sent a letter that

Comments Date: 06251999

Comments: notified the owner the facility was officially closed.

Comments Date: 06301992

Comments: Completed FRIFS. Between 1988 and 1996, DTSC conducted a series

Comments Date: 06301992

of inspections and took various enforcement actions against Comments:

Comments Date: 06301992

Quicksilver Products. Sampling conducted as part of these Comments:

Comments Date:

Comments: inspections indicated releases of mercury and cadmium to areas

06301992 Comments Date:

outside the facility. Comments:

Comments Date: 08211992

Comments: Issued IS&E Order. Order required sampling and removal of all

Comments Date: 08211992

Comments: contaminated material found in the storm drain next to the site.

Comments Date: 08211992

DTSC's enforcement actions ultimately led to the San Mateo Comments:

Comments Date: 08211992

District Attorney's Office filing criminal charges against Comments:

Comments Date: 08211992

Comments: Quicksilver Products' owner. The owner was convicted of a

Comments Date: 08211992

Comments: felony for illegal hazardous waste storage and treatment

Comments Date: 08211992

Comments: activities. As part of his sentence, the owner completed the Comments Date: 08211992

Comments:

closure of the unauthorized operation areas between 1994 and

Comments Date: 08211992 Comments:

1996. DTSC revoked Quicksilver Products' permit in September Comments Date: 08211992

Comments: 1996. Quicksilver abandoned the facility after its permit was Comments Date: 08211992

revoked by DTSC in 1996 and had not completed closure of the Comments:

Comments Date: 08211992

Comments: permitted hazardous waste unit in Suite 1 because of Comments Date: 08211992

Comments: insufficient financial resources.

11051998 Comments Date:

Comments: Issued I&SE Determination which provided the mechanism by which

Comments Date: 11051998

Comments: DTSC used State funds to complete closure of the facility.

Comments Date: 11261991

Issued I&SE Determination because of the high levels of cadmium Comments:

Comments Date: 11261991

Comments: and mercury being released to the environment. During an

Comments Date: 11261991

inspection, it was found that Quicksilver had expanded its Comments:

Comments Date: 11261991

Comments: operations beyond the area where hazardous waste treatment and

CALSTARS CODE ID Name:

Map ID Direction Distance Distance (ft.)Site

Direction EDR ID Number

QUICKSILVER PRODUCTS, INC (Continued)

S100538927

**EPA ID Number** 

Database(s)

ID Value: 200306

ID Name: EPA IDENTIFICATION NUMBER

ID Value: CAD 981424732

Alternate Name: QUICKSILVER PRODUCTS, INC

Special Programs Code: Not reported Special Programs Name: Not reported

 17
 QUICKSILVER
 CA RESPONSE
 \$106981652

 200 VALLEY
 CA San Mateo Co. BI
 N/A

 BRISBANE, CA 94005
 CA ENVIROSTOR

**RESPONSE:** 

Facility ID: 41280138
Site Type: State Response
Site Type Detail: State Response or NPL

Acres: 0.25
National Priorities List: NO

Cleanup Oversight Agencies: HWMP, SMBRP

Lead Agency Description: DTSC - Site Cleanup Program

Project Manager: Mark Piros
Supervisor: Mark Piros
Division Branch: Cleanup Berkeley

Site Code: 200306

Site Mgmt. Req.: NONE SPECIFIED

Assembly: 22 Senate: 13

Special Program Status: Not reported Status: Certified Status Date: 12/31/1998

Restricted Use: NO

Funding: Orphan Funds Latitude: 37.68850 Longitude: -122.4032

APN: 100-900-010, 100900010
Past Use: RECYCLING - OTHER

Potential COC: Cadmium and compounds Mercury and compounds Confirmed COC: Cadmium and compounds Mercury and compounds

Potential Description: CSS

Alias Name: QUICKSILVER PRODUCTS, INC

 Alias Type:
 Alternate Name

 Alias Name:
 100-900-010

 Alias Type:
 APN

 Alias Name:
 100900010

 Alias Type:
 APN

Alias Name: CAD981424732

Alias Type: EPA Identification Number

Alias Name: 110000610027 Alias Type: EPA (FRS #) Alias Name: 200306

Alias Type: Project Code (Site Code)

Alias Name: 41280138

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: \* Cost Recovery Settlements/Decrees

Completed Date: 07/01/2002

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

QUICKSILVER (Continued)

S106981652

**EDR ID Number** 

Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Imminent and/or Subst. Endangerment Determination

Completed Date: 11/05/1998 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)

Completed Date: 08/21/1992

Comments: Issued IS&E Order. Order required sampling and removal of all

contaminated material found in the storm drain next to the site. DTSC's enforcement actions ultimately led to the San Mateo District Attorney's Office filing criminal charges against Quicksilver Products' owner. The owner was convicted of a felony for illegal hazardous waste storage and treatment activities. As part of his sentence, the owner completed the closure of the unauthorized operation areas between 1994 and 1996. DTSC revoked Quicksilver Products' permit in September 1996. Quicksilver abandoned the facility after its permit was revoked by DTSC in 1996 and had not completed closure of the permitted hazardous waste unit in Suite 1

because of insufficient financial resources.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Imminent and/or Subst. Endangerment Determination

Completed Date: 11/26/1991

Comments: Issued I&SE Determination because of the high levels of cadmium and

mercury being released to the environment. During an inspection, it was found that Quicksilver had expanded its operations beyond the area where hazardous waste treatment and storage were allowed under their permit. The permit only allowed operation in Suite 1, while Quicksilver Products had expanded its storage activities into Suites

2 through 5.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 12/31/1998
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Removal Action Completion Report

Completed Date: 12/31/1998

Comments: Completed RA. DTSC contractors performed a removal action to allow

for closure of Suite 1 which housed the formerly permitted hazardous unit. The removal action consisted of two primary actions: 1) removal and disposal or recycling 123 containers, parts, and pieces of equipment containing or contaminated by mercury and other hazardous wastes; and 2) decontamination or removal and disposal of interior walls and floors. A portion of the waste was removed by a contractor for Pacific Gas and Electric. Wipe sampling of the walls and floors wa performed to verify that the DTSC-calculated cleanup levels for mercury and cadmium were achieved. The cleanup levels for

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

QUICKSILVER (Continued) S106981652

mercury and cadmium were 4 and 20 micrograms per 100 square

centimeters of surface area, respectively.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Removal Action Completion Report

Completed Date: 03/15/1993

Comments: Completed RA. About 3 cubic feet of mercury contaminated storm drain

sediments in two catch basins located next to the facility were removed. The remaining cleanup activities ongoing at the site will be overseen by the Surveillance and Enforcement Branch.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Remedial Investigation / Feasibility Study

Completed Date: 06/30/1992

Comments: Completed FRIFS. Between 1988 and 1996, DTSC conducted a series of

inspections and took various enforcement actions against Quicksilver Products. Sampling conducted as part of these inspections indicated releases of mercury and cadmium to areas outside the facility.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 11/01/1998

Comments: Fact Sheet announces results of site inventory and how DTSC will

undertake facility closure.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Site Characterization Report

Completed Date: 07/17/1991

Comments: State Contractor submitted report documenting sampling done in storm

sewer and nearby lagoon.

Not reported Future Area Name: Future Sub Area Name: Not reported Future Document Type: Not reported Future Due Date: Not reported Schedule Area Name: Not reported Not reported Schedule Sub Area Name: Schedule Document Type: Not reported Schedule Due Date: Not reported Schedule Revised Date: Not reported

San Mateo Co. BI:

Region: SAN MATEO Facility ID: FA0022674

Prog Element Code: GEN <1 TONS HAZ WASTE/YR

Record Id: PR0025244

Description: GEN <1 TONS HAZ WASTE/YR

Region: SAN MATEO Facility ID: FA0025726

Prog Element Code: HAZARDOUS WASTE PROGRAM - GENERAL

Record Id: PR0035009

Description: HAZARDOUS WASTE PROGRAM - GENERAL

**EDR ID Number** 

Distance (ft.)Site Database(s) EPA ID Number

QUICKSILVER (Continued)

S106981652

**EDR ID Number** 

Region: SAN MATEO Facility ID: FA0027896

Prog Element Code: GENERATES <27 GAL/YEAR

Record Id: PR0045306

Description: GENERATES <27 GAL/YEAR

Region: SAN MATEO Facility ID: FA0027916

Prog Element Code: GENERATES <27 GAL/YEAR

Record Id: PR0045828

Description: GENERATES <27 GAL/YEAR

Region: SAN MATEO Facility ID: FA0027926

Prog Element Code: GENERATES <27 GAL/YEAR

Record Id: PR0045853

Description: GENERATES <27 GAL/YEAR

Region: SAN MATEO Facility ID: FA0027938

Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT

Record Id: PR0045877

Description: GENERATES & RECYCLES WASTE OIL/SOLVENT

Region: SAN MATEO Facility ID: FA0027938

Prog Element Code: STORES MV FUELS OR WASTE ONLY

Record Id: PR0045876

Description: STORES MV FUELS OR WASTE ONLY

Region: SAN MATEO Facility ID: FA0051846

Prog Element Code: GENERATES <27 GAL/YEAR

Record Id: PR0071874

Description: GENERATES <27 GAL/YEAR

**ENVIROSTOR:** 

Facility ID: 41280138
Status: Certified
Status Date: 12/31/1998
Site Code: 200306
Site Type: State Response
Site Type Detailed: State Response or NPL

Acres: 0.25 NPL: NO

Regulatory Agencies: HWMP, SMBRP
Lead Agency: SMBRP
Program Manager: Mark Piros
Supervisor: Mark Piros
Division Branch: Cleanup Berkeley

Assembly: 22 Senate: 13

Special Program: Not reported

Restricted Use: NO

Site Mgmt Req: NONE SPECIFIED Funding: Orphan Funds Latitude: 37.68850

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

# QUICKSILVER (Continued)

S106981652

**EDR ID Number** 

Longitude: -122.4032

APN: 100-900-010, 100900010
Past Use: RECYCLING - OTHER

Potential COC: Cadmium and compounds Mercury and compounds Confirmed COC: Cadmium and compounds Mercury and compounds

Potential Description: CSS

Alias Name: QUICKSILVER PRODUCTS, INC

 Alias Type:
 Alternate Name

 Alias Name:
 100-900-010

 Alias Type:
 APN

 Alias Name:
 100900010

 Alias Type:
 APN

Alias Name: CAD981424732

Alias Type: EPA Identification Number

Alias Name: 110000610027 Alias Type: EPA (FRS #) Alias Name: 200306

Alias Type: Project Code (Site Code)

Alias Name: 41280138

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: \* Cost Recovery Settlements/Decrees

Completed Date: 07/01/2002 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Imminent and/or Subst. Endangerment Determination

Completed Date: 11/05/1998 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)

Completed Date: 08/21/1992

Comments: Issued IS&E Order. Order required sampling and removal of all contaminated material found in the storm drain next to the site.

contaminated material found in the storm drain next to the site. DTSC's enforcement actions ultimately led to the San Mateo District Attorney's Office filing criminal charges against Quicksilver Products' owner. The owner was convicted of a felony for illegal hazardous waste storage and treatment activities. As part of his sentence, the owner completed the closure of the unauthorized operation areas between 1994 and 1996. DTSC revoked Quicksilver Products' permit in September 1996. Quicksilver abandoned the facility after its permit was revoked by DTSC in 1996 and had not completed closure of the permitted hazardous waste unit in Suite 1

because of insufficient financial resources.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Imminent and/or Subst. Endangerment Determination

Completed Date: 11/26/1991

Comments: Issued I&SE Determination because of the high levels of cadmium and

mercury being released to the environment. During an inspection, it was found that Quicksilver had expanded its operations beyond the

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

QUICKSILVER (Continued) S106981652

area where hazardous waste treatment and storage were allowed under their permit. The permit only allowed operation in Suite 1, while Quicksilver Products had expanded its storage activities into Suites

2 through 5.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 12/31/1998
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Removal Action Completion Report

Completed Date: 12/31/1998

Comments: Completed RA. DTSC contractors performed a removal action to allow

for closure of Suite 1 which housed the formerly permitted hazardous unit. The removal action consisted of two primary actions: 1) removal and disposal or recycling 123 containers, parts, and pieces of equipment containing or contaminated by mercury and other hazardous wastes; and 2) decontamination or removal and disposal of interior walls and floors. A portion of the waste was removed by a contractor for Pacific Gas and Electric. Wipe sampling of the walls and floors wa performed to verify that the DTSC-calculated cleanup levels for mercury and cadmium were achieved. The cleanup levels for mercury and cadmium were 4 and 20 micrograms per 100 square

centimeters of surface area, respectively.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Removal Action Completion Report

Completed Date: 03/15/1993

Comments: Completed RA. About 3 cubic feet of mercury contaminated storm drain

sediments in two catch basins located next to the facility were removed. The remaining cleanup activities ongoing at the site will be overseen by the Surveillance and Enforcement Branch.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Remedial Investigation / Feasibility Study

Completed Date: 06/30/1992

Comments: Completed FRIFS. Between 1988 and 1996, DTSC conducted a series of

inspections and took various enforcement actions against Quicksilver Products. Sampling conducted as part of these inspections indicated releases of mercury and cadmium to areas outside the facility.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 11/01/1998

Comments: Fact Sheet announces results of site inventory and how DTSC will

undertake facility closure.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Site Characterization Report

Completed Date: 07/17/1991

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

QUICKSILVER (Continued) S106981652

Comments: State Contractor submitted report documenting sampling done in storm

sewer and nearby lagoon.

Future Area Name: Not reported Future Sub Area Name: Not reported Not reported Future Document Type: Not reported Future Due Date: 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

Facility ID: 80001472
Status: Certified
Status Date: 12/31/1998
Site Code: Not reported
Site Type: Corrective Action
Site Type Detailed: Corrective Action

Acres: 0
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: WM
Program Manager: Not reported

Supervisor: Mark Piros
Division Branch: Cleanup Berkeley

Assembly: 22 Senate: 13

Special Program: Not reported

Restricted Use: NO

Site Mgmt Req: NONE SPECIFIED Funding: Not reported Latitude: 37.68837 Longitude: -122.4032 APN: 100900010

Past Use: HAZARDOUS WASTE TREATMENT, METAL RECLAMATION

Potential COC: Mercury (elemental Confirmed COC: Mercury (elemental

Potential Description: SOIL

Alias Name: 100900010
Alias Type: APN

Alias Name: CAD981424732

Alias Type: EPA Identification Number

Alias Name: 41280138

Alias Type: Envirostor ID Number

Alias Name: 80001472

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Remedy Constructed: Operating Properly & Successfully

Completed Date: 12/31/1998

Comments: CMI Report/Approval. Laki 1/29/09

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

QUICKSILVER (Continued) S106981652

Completed Date: 11/06/1998

Comments: Fact Sheet. Laki 1/29/09.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: RCRA Facility Assessment Report

Completed Date: 04/30/2000

Comments: RCRA Facility Assessment Completed

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: \* CA Process is Terminated

Completed Date: 02/03/1999

Comments: Remedy Approved. Laki 2/4/09

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Interim Measures Questionnaire

Completed Date: 02/09/1993

Comments: Stabilization Measures Evaluation

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 04/30/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Remedy Selection and Statement of Basis

Completed Date: 11/30/1998

Comments: Remedy Initiated/Approved 11-30-1998

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Groundwater Migration Controlled

Completed Date: 01/25/2012

Comments: GPRA Environmental Indicator - Migration of Contaminated Ground Water

under Control completed. Yes conclusion that migration of ground

water is under control.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Human Exposure Controlled

Completed Date: 05/18/2010 Comments: Not reported

Completed Area Name:
Completed Sub Area Name:
Completed Document Type:
Completed Date:
Comments:

PROJECT WIDE
Not reported

\* Remedy Selected
11/30/1998
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Constructed

Completed Date: 03/15/2012

Map ID **EDR ID Number** Direction Distance

Distance (ft.)Site Database(s) **EPA ID Number** 

QUICKSILVER (Continued) S106981652

Comments: Document discusses how remedy implementation was completed at the

Quicksilver Products facility.

PROJECT WIDE Completed Area Name: Completed Sub Area Name: Not reported Completed Document Type: Remedy Constructed

Completed Date: 12/31/1998 Comments: Not reported

Future Area Name: Not reported Future Sub Area Name: Not reported Not reported Future Document Type: Future Due Date: Not reported Schedule Area Name: Not reported Schedule Sub Area Name: Not reported Schedule Document Type: Not reported Not reported Schedule Due Date: Schedule Revised Date: Not reported

18 **OXFORD CHEMICALS INC.** 275 VALLEY DR.

**BRISBANE, CA 94005** 

RCRA-SQG 1000341208 **FINDS CA HIST CORTESE** 

> **CA LUST CA HIST UST CA CHMIRS CA Notify 65**

CAT000610956

RCRA-SQG:

Date form received by agency: 09/01/1996

OXFORD CHEMICALS INC. Facility name:

Facility address: 275 VALLEY DR.

BRISBANE, CA 94005

EPA ID: CAT000610956

P.O. BOX SECOND HUNDRED TWENTY Mailing address:

BRISBANE, CA 94005

Contact: Not reported Contact address: Not reported Not reported Not reported Contact country:

Contact telephone: Not reported Contact email: Not reported

EPA Region:

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous

waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of

hazardous waste at any time

Owner/Operator Summary:

CONSOLIDATED FOOD CORP. Owner/operator name:

Owner/operator address: **NOT REQUIRED** 

NOT REQUIRED, ME 99999

Owner/operator country: Not reported Owner/operator telephone: (415) 555-1212

Legal status: Private Owner/Operator Type: Owner

Distance (ft.)Site Database(s) EPA ID Number

# **OXFORD CHEMICALS INC. (Continued)**

1000341208

**EDR ID Number** 

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:

Owner/operator telephone:

Legal status:

Owner/Operator Type:

Owner/Op start date:

Owner/Op end date:

Not reported

Not reported

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: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: Nο 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

# Historical Generators:

Date form received by agency: 08/04/1980

Site name: OXFORD CHEMICALS INC.
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002942656

# 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.

#### HIST CORTESE:

Region: CORTESE
Facility County Code: 41
Reg By: LTNKA
Reg Id: 41-0390

Map ID Direction Distance Distance (ft.)Site

rection EDR ID Number

# **OXFORD CHEMICALS INC. (Continued)**

1000341208

**EPA ID Number** 

Database(s)

LUST:

Region: STATE
Global Id: T0608100371
Latitude: 37.687483
Longitude: -122.406472
Case Type: LUST Cleanup Site
Status: Completed - Case Closed

Status Date: 02/16/2000

Lead Agency: SAN MATEO COUNTY LOP
Case Worker: JM

Local Agency: SAN MATEO COUNTY LOP

RB Case Number: 41-0390
LOC Case Number: 560009
File Location: Local Agency

Potential Media Affect: Other Groundwater (uses other than drinking water)

Potential Contaminants of Concern: \* Solvents

Site History: Water Board staff review site file as per request by SM County. SM

County had concerns over possible vapor intrusion issues. Current use of property is an open door warehouse. Based on this use and the venting caused by the open doors, vapor intrusion does not appear to

be a significant concern. Should site change uses, soil vapor

assessment should be conducted.

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0608100371

Contact Type: Local Agency Caseworker
Contact Name: JACOB MADDEN

Organization Name: SAN MATEO COUNTY LOP
Address: 2000 ALAMEDA DE LAS PULGAS

City: SAN MATEO

Email: jmadden@smcgov.org

Phone Number: 6503726298

Global Id: T0608100371

Contact Type: Regional Board Caseworker

Contact Name: UUU

Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)

Address: 1515 CLAY ST SUITE 1400

City: OAKLAND
Email: Not reported
Phone Number: Not reported

Status History:

Global Id: T0608100371

Status: Open - Case Begin Date

Status Date: 05/30/1989

Global Id: T0608100371

Status: Completed - Case Closed

Status Date: 02/16/2000

Regulatory Activities:

Global Id: T0608100371
Action Type: ENFORCEMENT

Distance (ft.)Site Database(s) EPA ID Number

## **OXFORD CHEMICALS INC. (Continued)**

1000341208

**EDR ID Number** 

Date: 06/01/1989

Action: Notice of Responsibility - #1

 Global Id:
 T0608100371

 Action Type:
 Other

 Date:
 01/01/1950

 Action:
 Leak Discovery

 Global Id:
 T0608100371

 Action Type:
 ENFORCEMENT

 Date:
 12/10/2009

Action: Site Visit / Inspection / Sampling

 Global Id:
 T0608100371

 Action Type:
 Other

 Date:
 01/01/1950

 Action:
 Leak Reported

LUST REG 2:

Region: 2

Facility Id: Not reported Facility Status: Case Closed 560009 Case Number: How Discovered: OM Leak Cause: Unknown Leak Source: Unknown Date Leak Confirmed: Not reported Oversight Program: LUST

Prelim. Site Assesment Wokplan Submitted:
Preliminary Site Assesment Began:
Pollution Characterization Began:
Pollution Remediation Plan Submitted:
Date Remediation Action Underway:
Not reported

SAN MATEO CO. LUST:

 Region:
 SAN MATEO

 Facility ID:
 560009

 Facility Status:
 9- Case Closed

 Global ID:
 T0608100371

 APN Number:
 005190020

Case Type: SAN MATEO CO. LUST EDR Link ID: SAN MATEO CO. LUST

HIST UST:

Region: STATE
Facility ID: 00000051336
Facility Type: Other
Other Type: WAREHOUSE

T. IT I

Total Tanks: 0006

Contact Name: RON BREWSTER Telephone: 4154672200

Owner Name: OXFORD CHEMICALS, INC.

Owner Address: 5001 PEACHTREE INDUSTRIAL BLVD

Owner City, St, Zip: ATLANTA, GA 30341

Distance (ft.)Site Database(s) EPA ID Number

## **OXFORD CHEMICALS INC. (Continued)**

1000341208

**EDR ID Number** 

Tank Num: 001 Container Num: 1

Year Installed: Not reported
Tank Capacity: 00004000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: Not reported

Leak Detection: 10

Tank Num: 002 Container Num: 2

Year Installed: Not reported
Tank Capacity: 00004000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: Not reported

Leak Detection: 10

Tank Num: 003 Container Num: 3

Year Installed: Not reported
Tank Capacity: 00004000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: Not reported

Leak Detection: 10

Tank Num: 004 Container Num: 4

Year Installed: Not reported
Tank Capacity: 00004000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: Not reported

Leak Detection: 10

Tank Num: 005 Container Num: 5

Year Installed: Not reported
Tank Capacity: 00004000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: Not reported

Leak Detection: 10

Tank Num: 006 Container Num: 6

Year Installed: Not reported
Tank Capacity: 00004000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: Not reported

Leak Detection: 10

CHMIRS:

OES Incident Number: 655

OES notification: Not reported

Distance (ft.)Site Database(s) EPA ID Number

## **OXFORD CHEMICALS INC. (Continued)**

1000341208

**EDR ID Number** 

**OES Date:** 2/4/1994 12:44:46 PM **OES Time:** Not reported Incident Date: Not reported **Date Completed:** 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 Not reported Estimated Temperature: Property Management: Not reported

More Than Two Substances Involved?:
Resp Agncy Personel # Of Decontaminated:
Responding Agency Personel # Of Injuries:
Responding Agency Personel # Of Fatalities:
Others Number Of Decontaminated:
Others Number Of Injuries:
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 Comments: Not reported Facility Telephone: Not reported Waterway Involved: YES

Waterway: Not reported Spill Site: Not reported Cleanup By: Not reported Containment: Not reported Not reported What Happened: CHEMICAL Type: Measure: Not reported Other: Not reported Date/Time: Not reported Year: 1994 Agency: co oes 1110/02-04-94 Incident Date: Admin Agency: Not reported 2 ea 55 gal drums Amount: Contained: Not reported Site Type: Not reported E Date: Not reported Substance: crude Quantity Released: Not reported BBLS: Not reported Cups: Not reported CUFT: Not reported Gallons: Not reported Not reported Grams: Pounds: Not reported Liters: Not reported

Not reported

Ounces:

Map ID Direction Distance Distance (ft.)Site

ection EDR ID Number

Database(s) EPA ID Number

1000341208

## **OXFORD CHEMICALS INC. (Continued)**

Number of Fatalities:

Pints: Not reported
Quarts: Not reported
Sheen: Not reported
Tons: Not reported
Unknown: Not reported
Evacuations: Not reported
Number of Injuries: Not reported

Description: illegal dumping, no apparent spill

Not reported

Notify 65:

Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: 92201

\_\_\_\_

## 19 SFPP, LP 950 TUNNEL AVENUE BRISBANE, CA 94005

CA CHMIRS S103677067
CA San Mateo Co. BI
CA EMI
CA ENVIROSTOR

# CHMIRS:

**OES Incident Number:** 06-4343 OES notification: 07/23/2006 OES Date: Not reported OES Time: Not reported Incident Date: Not reported **Date Completed:** Not reported Property Use: Not reported Agency Id Number: Not reported Not reported Agency Incident Number: 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?:

Resp Agncy Personel # Of Decontaminated:
Responding Agency Personel # Of Injuries:
Responding Agency Personel # Of Fatalities:
Others Number Of Decontaminated:
Others Number Of Injuries:
Others Number Of Fatalities:
Not reported

Vehicle Make/year: Not reported Vehicle License Number: Not reported Not reported Vehicle State: 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 Comments: Not reported Facility Telephone: Not reported Waterway Involved: Not reported Waterway: Not reported

Distance (ft.)Site Database(s) EPA ID Number

SFPP, LP (Continued)

S103677067

**EDR ID Number** 

Spill Site: Not reported Reporting Party Cleanup By: Containment: Not reported What Happened: Not reported Type: Not reported Not reported Measure: Not reported Other: Date/Time: Not reported 2006 Year:

Agency: Kinder Morgan
Incident Date: 7/23/2006 12:00:00 AM
Admin Agency: Brisbane Fire Department

Amount: Not reported
Contained: Unknown
Site Type: Road
E Date: Not reported
Substance: Gasoline
Quantity Released: Not reported

BBLS: 0
Cups: 0
CUFT: 0
Gallons: 0.000000
Grams: 0

Pounds: 0 Liters: 0 0 Ounces: Pints: 0 Quarts: 0 Sheen: 0 0 Tons: 0 Unknown: Evacuations: 0 Number of Injuries: 0 Number of Fatalities:

Description: A 2 ft wide puddle of material from a valve that was left open on a

manifold. The material was supposed to go into a jar but the jar

overfilled.

01-1104 OES Incident Number: OES notification: 02/23/2001 OES Date: Not reported Not reported **OES Time:** Incident Date: Not reported Not reported **Date Completed:** Not reported Property Use: Not reported Agency Id Number: 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?:

Resp Agncy Personel # Of Decontaminated:

Responding Agency Personel # Of Injuries:

Responding Agency Personel # Of Fatalities:

Others Number Of Decontaminated:

Not reported

Not reported

Not reported

Not reported

Distance (ft.)Site Database(s) **EPA ID Number** 

SFPP, LP (Continued) S103677067

Others Number Of Injuries: Not reported Not reported Others Number Of Fatalities:

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 Not reported Company Name: Reporting Officer Name/ID: Not reported Report Date: Not reported Comments: Not reported Facility Telephone: Not reported

Waterway Involved: No Waterway:

Not reported Spill Site: Not reported Cleanup By: Responsible Party Containment: Not reported What Happened: Not reported Type: Not reported Measure: Not reported Other: Not reported Date/Time: Not reported

2001 Year:

Agency: Kinder Morgan Energy Incident Date: 2/23/200112:00:00 AM Brisbane Fire Department Admin Agency:

Amount: Not reported Contained: Yes Site Type: Pipe Line E Date: Not reported Ethanol Substance: Quantity Released: Not reported

BBLS: Cups: 0 CUFT: 0 0 Gallons: Grams: 0 Pounds: 0 Liters: 0 Ounces: 0 Pints: 0 Quarts: 0 Sheen: 0 Tons: 0

Unknown: Unknown Evacuations: 0 Number of Injuries: 0 Number of Fatalities:

Description: Unknown amount that was released but a stain of ethanol was found,

the stain was 30' by 10'. This is in a contained tank farm area of a

pipe line terminal receiving facility.

**OES Incident Number:** 07-2002 OES notification: 03/29/2007 OES Date: Not reported OES Time: Not reported Incident Date: Not reported

Distance (ft.)Site Database(s) **EPA ID Number** 

SFPP, LP (Continued) S103677067

**Date Completed:** Not reported Property Use: Not reported Not reported Agency Id Number: 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 Comments: Not reported Facility Telephone: Not reported Waterway Involved: Not reported Waterway: Not reported Spill Site: Not reported Reporting Party Cleanup By: Not reported Containment: What Happened: Not reported Not reported Type: Measure: Not reported Other: Not reported Not reported Date/Time: 2007 Year:

Agency: Kinder Morgan Incident Date: 3/29/2007 12:00:00 AM Admin Agency: Brisbane Fire Department

Not reported Amount:

Contained: Yes

Site Type: Service Station E Date: Not reported Substance: Gasoline Quantity Released: Not reported

BBLS: Cups: 0 CUFT: 0 Gallons:

0.000000

Grams: 0 Pounds: 0 Liters: 0 0 Ounces: Pints: 0 Quarts: 0 Sheen:

Distance (ft.)Site Database(s) EPA ID Number

SFPP, LP (Continued) S103677067

Tons: 0
Unknown: 0
Evacuations: 0
Number of Injuries: 0
Number of Fatalities: 0

Description: Caller is reporting a stain that is 2.5' wide X 10' long. Unknown

source.

San Mateo Co. BI:

Region: SAN MATEO Facility ID: FA0017938

Prog Element Code: ABOVE GROUND TANK/SPCC

Record Id: PR0036114

Description: ABOVE GROUND TANK/SPCC

Region: SAN MATEO Facility ID: FA0017938

Prog Element Code: CONDITIONAL AUTHORIZED (CA)

Record Id: PR0030024

Description: CONDITIONAL AUTHORIZED (CA)

 Region:
 SAN MATEO

 Facility ID:
 FA0017938

 Prog Element Code:
 2233

 Record Id:
 PR0011798

Description: GEN 6-25 TONS HAZ WASTE/YR - RCRA

Region: SAN MATEO Facility ID: FA0017938

Prog Element Code: STORES HAZ MAT >32000GAL, 240001LB, 112000FT3

Record Id: PR0030438

Description: STORES HAZ MAT >32000GAL, 224000LB, 112000CF

 Region:
 SAN MATEO

 Facility ID:
 FA0017938

 Prog Element Code:
 2357

 Record Id:
 PR0065660

Description: TANK STOR CAP =>10,000,000 & <100,000,000 GAL

Region: SAN MATEO Facility ID: FA0017938

Prog Element Code: UNDERGROUND TANK - GENERAL

Record Id: PR0039973

Description: UNDERGROUND TANK - GENERAL

EMI:

 Year:
 1990

 County Code:
 41

 Air Basin:
 SF

 Facility ID:
 4021

 Air District Name:
 BA

 SIC Code:
 4613

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: 75

Distance (ft.)Site Database(s) EPA ID Number

SFPP, LP (Continued) S103677067

Reactive Organic Gases Tons/Yr: 68
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 & Smllr Tons/Yr: 0

 Year:
 1995

 County Code:
 41

 Air Basin:
 SF

 Facility ID:
 4021

 Air District Name:
 BA

 SIC Code:
 4613

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: 10
Reactive Organic Gases Tons/Yr: 9
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 & Smllr Tons/Yr: 0

 Year:
 1996

 County Code:
 41

 Air Basin:
 SF

 Facility ID:
 4021

 Air District Name:
 BA

 SIC Code:
 4613

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: 7
Reactive Organic Gases Tons/Yr: 6
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 & Smllr Tons/Yr: 0

 Year:
 1997

 County Code:
 41

 Air Basin:
 SF

 Facility ID:
 4021

 Air District Name:
 BA

 SIC Code:
 4613

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: 7
Reactive Organic Gases Tons/Yr: 6
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 & Smllr Tons/Yr: 0

Distance (ft.)Site Database(s) EPA ID Number

SFPP, LP (Continued) S103677067

 Year:
 1998

 County Code:
 41

 Air Basin:
 SF

 Facility ID:
 4021

 Air District Name:
 BA

 SIC Code:
 4613

Air District Name:

Community Health Air Pollution Info System:

Consolidated Emission Reporting Rule:

BAY AREA AQMD

Not reported

Not reported

Total Organic Hydrocarbon Gases Tons/Yr: 7
Reactive Organic Gases Tons/Yr: 7
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 & Smllr Tons/Yr: 0

 Year:
 1999

 County Code:
 41

 Air Basin:
 SF

 Facility ID:
 4021

 Air District Name:
 BA

 SIC Code:
 4613

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: 7
Reactive Organic Gases Tons/Yr: 6
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 & Smllr Tons/Yr: 0

 Year:
 2000

 County Code:
 41

 Air Basin:
 SF

 Facility ID:
 4021

 Air District Name:
 BA

 SIC Code:
 4613

Air District Name:

Community Health Air Pollution Info System:
Consolidated Emission Reporting Rule:

BAY AREA AQMD
Not reported
Not reported

Total Organic Hydrocarbon Gases Tons/Yr: 7
Reactive Organic Gases Tons/Yr: 6
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 & Smllr Tons/Yr: 0

 Year:
 2001

 County Code:
 41

 Air Basin:
 SF

 Facility ID:
 4021

 Air District Name:
 BA

 SIC Code:
 4613

Distance (ft.)Site Database(s) EPA ID Number

SFPP, LP (Continued) S103677067

Air District Name:

Community Health Air Pollution Info System:

Consolidated Emission Reporting Rule:

BAY AREA AQMD

Not reported

Not reported

Total Organic Hydrocarbon Gases Tons/Yr: 7
Reactive Organic Gases Tons/Yr: 6
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 & Smllr Tons/Yr: 0

 Year:
 2002

 County Code:
 41

 Air Basin:
 SF

 Facility ID:
 4021

 Air District Name:
 BA

 SIC Code:
 4613

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: 8
Reactive Organic Gases Tons/Yr: 6
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 & Smllr Tons/Yr: 0

 Year:
 2003

 County Code:
 41

 Air Basin:
 SF

 Facility ID:
 4021

 Air District Name:
 BA

 SIC Code:
 4613

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: 8
Reactive Organic Gases Tons/Yr: 6
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 & Smllr Tons/Yr: 0

 Year:
 2004

 County Code:
 41

 Air Basin:
 SF

 Facility ID:
 4021

 Air District Name:
 BA

 SIC Code:
 4613

Air District Name:

Community Health Air Pollution Info System:

Consolidated Emission Reporting Rule:

Total Organic Hydrocarbon Gases Tons/Yr:

Reactive Organic Gases Tons/Yr:

Carbon Manavide Emissions Tons/Yr:

Carbon Manavide Emissions Tons/Yr:

O

Carbon Monoxide Emissions Tons/Yr: 0

Map ID Direction Distance Distance (ft.)Site

ction EDR ID Number

Database(s) EPA ID Number

S103677067

#### SFPP, LP (Continued)

NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

 Year:
 2005

 County Code:
 41

 Air Basin:
 SF

 Facility ID:
 4021

 Air District Name:
 BA

 SIC Code:
 4613

Air District Name:

Community Health Air Pollution Info System:
Consolidated Emission Reporting Rule:
Total Organic Hydrocarbon Gases Tons/Yr:

Reactive Organic Gases Tons/Yr:

BAY AREA AQMD
Not reported
Not reported
9.356
9.2631929

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 & Smllr Tons/Yr: 0

 Year:
 2006

 County Code:
 41

 Air Basin:
 SF

 Facility ID:
 4021

 Air District Name:
 BA

 SIC Code:
 4613

Air District Name:

Community Health Air Pollution Info System:
Consolidated Emission Reporting Rule:
Not reported
Not reported
Not reported
Votal Organic Hydrocarbon Gases Tons/Yr:
Reactive Organic Gases Tons/Yr:
26.0923716

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 & Smllr Tons/Yr: 0

 Year:
 2007

 County Code:
 41

 Air Basin:
 SF

 Facility ID:
 4021

 Air District Name:
 BA

 SIC Code:
 4613

Air District Name:

Community Health Air Pollution Info System:

Consolidated Emission Reporting Rule:

Total Organic Hydrocarbon Gases Tons/Yr:

Reactive Organic Gases Tons/Yr:

BAY AREA AQMD

Not reported

14.173

14.0217742

Carbon Monoxide Emissions Tons/Yr: .01
NOX - Oxides of Nitrogen Tons/Yr: .019
SOX - Oxides of Sulphur Tons/Yr: .002
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 2008

Distance (ft.)Site Database(s) EPA ID Number

SFPP, LP (Continued) S103677067

 County Code:
 41

 Air Basin:
 SF

 Facility ID:
 4021

 Air District Name:
 BA

 SIC Code:
 4613

Air District Name:

Community Health Air Pollution Info System:

Consolidated Emission Reporting Rule:

Total Organic Hydrocarbon Gases Tons/Yr:

Reactive Organic Gases Tons/Yr:

BAY AREA AQMD

Not reported

14.172

14.0208892

Carbon Monoxide Emissions Tons/Yr: .01
NOX - Oxides of Nitrogen Tons/Yr: .02
SOX - Oxides of Sulphur Tons/Yr: .002
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

 Year:
 2009

 County Code:
 41

 Air Basin:
 SF

 Facility ID:
 4021

 Air District Name:
 BA

 SIC Code:
 4613

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: 14.015000000000001

Reactive Organic Gases Tons/Yr: 13.8440206

 Carbon Monoxide Emissions Tons/Yr:
 3.000000000000000001E-3

 NOX - Oxides of Nitrogen Tons/Yr:
 1.499999999999999-2

SOX - Oxides of Sulphur Tons/Yr: 0.002
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

 Year:
 2010

 County Code:
 41

 Air Basin:
 SF

 Facility ID:
 4021

 Air District Name:
 BA

 SIC Code:
 4613

Air District Name:

Community Health Air Pollution Info System:
Consolidated Emission Reporting Rule:
Total Organic Hydrocarbon Gases Tons/Yr:

BAY AREA AQMD
Not reported
Not reported
9.173

SOX - Oxides of Sulphur Tons/Yr: 0.002

Particulate Matter Tons/Yr: 0.00102459016393442

Part. Matter 10 Micrometers & Smllr Tons/Yr: 0.001

 Year:
 2011

 County Code:
 41

 Air Basin:
 SF

 Facility ID:
 4021

 Air District Name:
 BA

 SIC Code:
 4613

Air District Name: BAY AREA AQMD

Distance (ft.)Site Database(s) EPA ID Number

SFPP, LP (Continued) S103677067

Community Health Air Pollution Info System: Not reported Consolidated Emission Reporting Rule: Not reported Total Organic Hydrocarbon Gases Tons/Yr: 17.576 Reactive Organic Gases Tons/Yr: 17.3352981 Carbon Monoxide Emissions Tons/Yr: 0.064 NOX - Oxides of Nitrogen Tons/Yr: 0.062 0.002 SOX - Oxides of Sulphur Tons/Yr: Particulate Matter Tons/Yr: 0 Part. Matter 10 Micrometers & Smllr Tons/Yr:

 Year:
 2012

 County Code:
 41

 Air Basin:
 SF

 Facility ID:
 4021

 Air District Name:
 BA

 SIC Code:
 4613

**BAY AREA AQMD** Air District Name: Community Health Air Pollution Info System: Not reported Consolidated Emission Reporting Rule: Not reported Total Organic Hydrocarbon Gases Tons/Yr: 17.576 Reactive Organic Gases Tons/Yr: 17.3352981 Carbon Monoxide Emissions Tons/Yr: 0.064 NOX - Oxides of Nitrogen Tons/Yr: 0.062 SOX - Oxides of Sulphur Tons/Yr: 0.002

Particulate Matter Tons/Yr: 0.0030737704918

Part. Matter 10 Micrometers & Smllr Tons/Yr: 0.003

#### **ENVIROSTOR:**

Facility ID: 71003515

Status: Refer: Other Agency
Status Date: Not reported
Site Code: Not reported

Site Code:
Site Type:
Site Type:
Site Type Detailed:
Acres:
NOt reported
Tiered Permit
Not reported
Not reported
Not reported
Not reported
Not reported

Regulatory Agencies: NONE SPECIFIED NONE SPECIFIED NONE SPECIFIED NOT reported Supervisor: Not reported Division Branch: Cleanup Berkeley

Assembly: 22 Senate: 13

Special Program: Not reported

Restricted Use: NO

Site Mgmt Req: NONE SPECIFIED Funding: Not reported Latitude: 37.69171 Longitude: -122.3996

APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAT080011109

Alias Type: EPA Identification Number

Alias Name: 110000786114

Map ID
Direction
EDR ID Number
Distance

Distance (ft.)Site Database(s) EPA ID Number

SFPP, LP (Continued) S103677067

Alias Type: EPA (FRS #)
Alias Name: 71003515

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Not reported Completed Sub Area Name: Not reported Completed Document Type: Not reported Comments: Not reported Not reported Comments: Not reported

Future Area Name: Not reported Not reported Future Sub Area Name: Future Document Type: Not reported Future Due Date: Not reported Not reported Schedule Area Name: Schedule Sub Area Name: Not reported Schedule Document Type: Not reported Schedule Due Date: Not reported Schedule Revised Date: Not reported

19 SFPP (KINDER MORGAN) BRISBANE TERMINAL 950 TUNNEL AVE BRISBANE, CA 94005 CA SLIC S103677066 CA CHMIRS N/A

SLIC:

Region: STATE

Facility Status: Open - Remediation

 Status Date:
 07/01/2002

 Global Id:
 SL372271174

Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)

Lead Agency Case Number: Not reported Latitude: 37.691673
Longitude: -122.399616

Case Type: Cleanup Program Site

Case Worker: AK

Local Agency: Not reported RB Case Number: SL372271174 File Location: Not reported

Potential Media Affected: Aquifer used for drinking water supply, Other Groundwater (uses other

than drinking water), Soil, Surface water

Potential Contaminants of Concern: Benzene, Aviation, Diesel, MTBE / TBA / Other Fuel Oxygenates,

Gasoline

Site History: The facility is a bulk petroleum storage and distribution terminal

that provides aviation fuel to San Francisco Airport as well as gasoline and diesel fuel to various retail stations. The eastern portion of the facility is located on the closed Brisbane municipal landfill while the western portion is situated on a bedrock outcrop. Twenty one aboveground storage tanks (ASTs) reside on the western portion of the facility underlain by bedrock. Gasoline, diesel, and aviation fuels are brought to the facility via pipeline and are stored in the ASTs. The gasoline and diesel fuel stored in the ASTs is pumped into tanker trucks via five loading racks at the facility for distribution to Bay Area gasoline stations. Aviation fuel is piped directly from the facility to San Francisco Airport.

Click here to access the California GeoTracker records for this facility:

Map ID Direction Distance Distance (ft.)Site

**EDR ID Number** 

Database(s) EPA ID Number

#### SFPP (KINDER MORGAN) BRISBANE TERMINAL (Continued)

S103677066

SLIC REG 2:

Region:

Facility ID: SL372271174
Facility Status: Remediation Plan
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

CHMIRS:

05-7007 OES Incident Number: OES notification: 12/05/2005 OES Date: Not reported **OES Time:** Not reported Incident Date: Not reported **Date Completed:** Not reported Not reported Property Use: Agency Id Number: Not reported Agency Incident Number: Not reported Time Notified: Not reported Not reported Time Completed: Surrounding Area: Not reported **Estimated Temperature:** Not reported Property Management: Not reported

More Than Two Substances Involved?:

Resp Agncy Personel # Of Decontaminated:

Responding Agency Personel # Of Injuries:

Responding Agency Personel # Of Fatalities:

Others Number Of Decontaminated:

Others Number Of Injuries:

Others Number Of Fatalities:

Not reported

Not reported Vehicle Make/year: 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 Comments: Not reported Not reported Facility Telephone: Waterway Involved: Not reported Waterway: Not reported Spill Site: Not reported Cleanup By: Reporting Party Containment: Not reported What Happened: Not reported Not reported Type:

Distance (ft.)Site Database(s) EPA ID Number

## SFPP (KINDER MORGAN) BRISBANE TERMINAL (Continued)

S103677066

**EDR ID Number** 

Measure: Not reported
Other: Not reported
Date/Time: Not reported
Year: 2005
Agency: Kinder Morgan
Incident Date: 12/5/200512:00

Incident Date: 12/5/200512:00:00 AM
Admin Agency: Brisbane Fire Department

Amount: Not reported
Contained: Yes
Site Type: Other
E Date: Not reported
Substance: hydraulic fuid
Quantity Released: Not reported

BBLS: 0
Cups: 0
CUFT: 0

Gallons: 0.000000

Grams: 0 Pounds: 0 Liters: 0 0 Ounces: Pints: 0 Quarts: 0 Sheen: Tons: 0 Unknown: 0 Evacuations: 0 Number of Injuries: Number of Fatalities:

Description: A 2 foot by 2 foot spill found on floor.

**OES Incident Number:** '08-3795 OES notification: 05/28/2008 OES Date: Not reported OES Time: Not reported Not reported Incident Date: Not reported **Date Completed:** 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?:
Resp Agncy Personel # Of Decontaminated:
Responding Agency Personel # Of Injuries:
Responding Agency Personel # Of Fatalities:
Others Number Of Decontaminated:
Others Number Of Injuries:
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

Distance (ft.)Site Database(s) EPA ID Number

## SFPP (KINDER MORGAN) BRISBANE TERMINAL (Continued)

S103677066

**EDR ID Number** 

Company Name: Not reported Reporting Officer Name/ID: Not reported Report Date: Not reported Comments: Not reported Facility Telephone: Not reported Waterway Involved: No

Waterway: Not reported Spill Site: Other

Cleanup By: Reporting Party
Containment: Not reported
What Happened: Not reported
Type: Not reported
Measure: N/A
Other: Not reported

Other: Not rep
Date/Time: 0140
Year: 2008

Agency: Kinder Morgan Incident Date: 5/28/2008

Admin Agency: Brisbane Fire Department

Amount: Not reported
Contained: Unknown
Site Type: Not reported
E Date: Not reported
Substance: Ethanol
Quantity Released: N/A

BBLS: Not reported Cups: Not reported CUFT: Not reported Gallons: Not reported Not reported Grams: Not reported Pounds: Liters: Not reported Ounces: Not reported Pints: Not reported Not reported Quarts: Not reported Sheen: Not reported Tons: Unknown: Not reported

Evacuations: 0
Number of Injuries: 0
Number of Fatalities: 0

Description: \*\*Potential release\*\*\*Leak detector alarmed at a truck terminal.

Unknown any release. Investigation is underway.

**OES Incident Number:** '08-6419 09/02/2008 OES notification: OES Date: Not reported **OES Time:** Not reported Incident Date: Not reported **Date Completed:** Not reported Not reported Property Use: 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

Distance (ft.)Site Database(s) EPA ID Number

# SFPP (KINDER MORGAN) BRISBANE TERMINAL (Continued)

S103677066

**EDR ID Number** 

Property Management: Not reported

More Than Two Substances Involved?:

Resp Agncy Personel # Of Decontaminated:
Responding Agency Personel # Of Injuries:
Responding Agency Personel # Of Fatalities:
Others Number Of Decontaminated:
Others Number Of Injuries:
Others Number Of Fatalities:
Not reported

Not reported Vehicle Make/year: 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 Not reported Comments: Facility Telephone: Not reported Waterway Involved: No

Waterway: Not reported

Spill Site: Other

Cleanup By: Responsible Party Containment: Not reported What Happened: Not reported Type: Not reported Measure: Gal(s) Other: Not reported Date/Time: 1145 Year: 2008

Agency: Kinder Morgan Incident Date: 9/2/2008

Admin Agency: Brisbane Fire Department

Amount: Not reported Contained: Yes

Site Type: Not reported
E Date: Not reported
Substance: Water / Carbon Mix

Quantity Released: 2' x 2' st BBLS: Not reported Cups: Not reported Not reported CUFT: Gallons: Not reported Grams: Not reported Not reported Pounds: Not reported Liters: Ounces: Not reported Pints: Not reported Quarts: Not reported Sheen: Not reported Not reported Tons: Unknown: Not reported

Evacuations: 0
Number of Injuries: 0
Number of Fatalities: 0

Description: Some valves were inadvertently left open an a water treatment vessel.

OES Incident Number: 07-2954

Distance (ft.)Site Database(s) **EPA ID Number** 

## SFPP (KINDER MORGAN) BRISBANE TERMINAL (Continued)

S103677066

**EDR ID Number** 

OES notification: 05/15/2007 OES Date: Not reported Not reported **OES Time:** Incident Date: Not reported **Date Completed:** Not reported Not reported Property Use: Not reported Agency Id Number: 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 Not reported Vehicle State: 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 Comments: Not reported Not reported Facility Telephone: Not reported Waterway Involved: Waterway: Not reported Spill Site: Not reported Cleanup By: Reporting Party Containment: Not reported Not reported What Happened: Not reported Type: Measure: Not reported Other: Not reported Date/Time: Not reported 2007 Year:

Agency: Kinder Morgan Incident Date: 5/15/2007 12:00:00 AM

Not reported

Admin Agency: Not reported Amount: Contained: Yes Site Type: Other E Date: Not reported Substance: Hydraulic Fluid Quantity Released: Not reported

BBLS: 0 Cups: CUFT: 0 Gallons: 8' by 8' Grams: 0 Pounds: 0 Liters: 0

Distance (ft.)Site Database(s) EPA ID Number

# SFPP (KINDER MORGAN) BRISBANE TERMINAL (Continued)

S103677066

**EDR ID Number** 

Ounces: 0 0 Pints: 0 Quarts: Sheen: 0 Tons: Unknown: 0 Evacuations: 0 Number of Injuries: 0 Number of Fatalities:

Description: Caller states that after a tanker had just left the terminal, this

small release was noticed.

**OES Incident Number:** 06-5176 OES notification: 08/30/2006 OES Date: Not reported **OES Time:** Not reported Not reported Incident Date: **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?:
Resp Agncy Personel # Of Decontaminated:
Responding Agency Personel # Of Injuries:
Responding Agency Personel # Of Fatalities:
Others Number Of Decontaminated:
Others Number Of Injuries:
Others Number Of Fatalities:
Not reported

Vehicle Make/year: Not reported Not reported Vehicle License Number: Not reported Vehicle State: Vehicle Id Number: Not reported CA/DOT/PUC/ICC Number: Not reported Company Name: Not reported Reporting Officer Name/ID: Not reported Not reported Report Date: Not reported Comments: Facility Telephone: Not reported Waterway Involved: Not reported Not reported Waterway: Spill Site: Not reported Cleanup By: Reporting Party Containment: Not reported What Happened: Not reported Not reported Type: Measure: Not reported Other: Not reported Date/Time: Not reported Year: 2006 Agency: Kinder Morgan

Incident Date: 8/30/2006 12:00:00 AM
Admin Agency: Brisbane Fire Department

Distance (ft.)Site Database(s) EPA ID Number

## SFPP (KINDER MORGAN) BRISBANE TERMINAL (Continued)

S103677066

**EDR ID Number** 

Amount: Not reported

Contained: Yes

Site Type: Merchant/Business
E Date: Not reported
Substance: Gasoline fuel additive

Quantity Released: Not reported

BBLS: 0 Cups: 0 CUFT: 0 Gallons: 1/2 0 Grams: Pounds: 0 Liters: 0 Ounces: 0 Pints: 0 Quarts: 0 0 Sheen: Tons: 0 Unknown: 0 Evacuations: 0 Number of Injuries: O Number of Fatalities: 0

Description: Per Caller, appears to be a pipe union that was leaking, dripping for

a little bit. Dripping onto a gravel area

**OES Incident Number:** 06-0005 OES notification: 01/01/2006 OES Date: Not reported **OES Time:** Not reported Not reported Incident Date: **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?:

Resp Agncy Personel # Of Decontaminated:
Responding Agency Personel # Of Injuries:
Responding Agency Personel # Of Fatalities:
Others Number Of Decontaminated:
Others Number Of Injuries:
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 Comments: Not reported Facility Telephone: Not reported Waterway Involved: Not reported

Distance (ft.)Site Database(s) EPA ID Number

## SFPP (KINDER MORGAN) BRISBANE TERMINAL (Continued)

S103677066

**EDR ID Number** 

Waterway: Not reported Spill Site: Not reported Unknown Cleanup By: Containment: Not reported What Happened: Not reported Type: Not reported Measure: Not reported Other: Not reported Date/Time: Not reported Year: 2006

Agency: Kinder Morgan
Incident Date: 1/1/2006 12:00:00 AM
Admin Agency: Brisbane Fire Department

Amount: Not reported
Contained: Unknown
Site Type: Other
E Date: Not reported

Substance: Potential Release of Ethanol

Quantity Released: Not reported

BBLS: 0
Cups: 0
CUFT: 0
Gallons: 0.000000
Grams: 0
Pounds: 0
Liters: 0

Liters: 0 Ounces: 0 Pints: 0 Quarts: 0 0 Sheen: 0 Tons: Unknown: 0 0 Evacuations: Number of Injuries: 0 Number of Fatalities: 0

Description: Caller states a leak detector has signaled a possible hydrocarbon

release.

99-2961 OES Incident Number: OES notification: 07/14/1999 OES Date: Not reported Not reported **OES Time:** Incident Date: Not reported **Date Completed:** Not reported Not reported Property Use: Not reported Agency Id Number: Agency Incident Number: Not reported Time Notified: Not reported Time Completed: Not reported Not reported Surrounding Area: **Estimated Temperature:** Not reported Property Management: Not reported

More Than Two Substances Involved?:

Resp Agncy Personel # Of Decontaminated:

Responding Agency Personel # Of Injuries:

Responding Agency Personel # Of Fatalities:

Others Number Of Decontaminated:

Not reported

Not reported

Not reported

Map ID Direction Distance Distance (ft.)Site

EDR ID Number

Database(s) EF

**EPA ID Number** 

S103677066

## SFPP (KINDER MORGAN) BRISBANE TERMINAL (Continued)

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 Comments: Not reported Not reported Facility Telephone: Unknown Waterway Involved: Waterway: Not reported Spill Site: Not reported Reporting Party Cleanup By: Containment: Not reported What Happened: Not reported Type: Not reported Measure: Not reported Other: Not reported Date/Time: Not reported

Year: 1999

Agency: Kinder Morgan Energy Partners
Incident Date: 7/14/199912:00:00 AM
Admin Agency: Brisbane Fire Department

Amount: Not reported
Contained: Yes
Site Type: Other
E Date: Not reported
Substance: Turbine
Quantity Released: Not reported

BBLS: Cups: 0 CUFT: 0 Gallons: 3.75 Grams: 0 Pounds: 0 Liters: 0 Ounces: 0 Pints: 0 Quarts: 0 Sheen: 0 Tons: 0 Unknown: 0 Evacuations: 0 Number of Injuries: 0 Number of Fatalities:

Description: During normal maintanence found a wet spot

OES Incident Number: 07-6930
OES notification: 11/10/2007
OES Date: Not reported
OES Time: Not reported
Incident Date: Not reported
Date Completed: Not reported
Property Use: Not reported

Distance (ft.)Site Database(s) EPA ID Number

## SFPP (KINDER MORGAN) BRISBANE TERMINAL (Continued)

S103677066

**EDR ID Number** 

Agency Id Number:
Agency Incident Number:
Not reported
Not reported
Time Notified:
Not reported
Time Completed:
Not reported
Surrounding Area:
Not reported
Estimated Temperature:
Not reported
Not reported
Not reported
Not reported
Property Management:

More Than Two Substances Involved?:

Resp Agncy Personel # Of Decontaminated:
Responding Agency Personel # Of Injuries:
Responding Agency Personel # Of Fatalities:
Others Number Of Decontaminated:
Others Number Of Injuries:
Others Number Of Fatalities:
Not reported

Vehicle Make/year: Not reported Vehicle License Number: Not reported Not reported Vehicle State: 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 Not reported Comments: Facility Telephone: Not reported Waterway Involved: Not reported Waterway: Not reported Spill Site: Not reported Cleanup By: Reporting Party Containment: Not reported Not reported What Happened: Not reported Type: Measure: Not reported Other: Not reported Date/Time: Not reported Year: 2007

Agency: Kinder Morgan

Incident Date: 11/10/2007 12:00:00 AM
Admin Agency: Brisbane Fire Department

Amount: Not reported
Contained: Yes
Site Type: Other
E Date: Not reported
Substance: Turbine Fuel
Quantity Released: Not reported

BBLS: 0 Cups: 0 CUFT: 0 Gallons: 5' x 10' Grams: 0 0 Pounds: Liters: 0 Ounces: 0 Pints: 0 Quarts: 0 Sheen: 0 Tons: 0 Unknown:

Distance (ft.)Site Database(s) EPA ID Number

# SFPP (KINDER MORGAN) BRISBANE TERMINAL (Continued)

S103677066

**EDR ID Number** 

Evacuations: 0
Number of Injuries: 0
Number of Fatalities: 0

Description: Caller states, while draining down a meter run into a half drum, the

pump failed causing this release.

**OES Incident Number:** 07-3179 OES notification: 05/24/2007 OES Date: Not reported **OES Time:** Not reported Not reported Incident Date: Not reported **Date Completed:** 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?:
Resp Agncy Personel # Of Decontaminated:
Responding Agency Personel # Of Injuries:
Responding Agency Personel # Of Fatalities:
Others Number Of Decontaminated:
Others Number Of Injuries:
Others Number Of Fatalities:
Not reported

Vehicle Make/year: Not reported Vehicle License Number: Not reported Not reported Vehicle State: Vehicle Id Number: Not reported CA/DOT/PUC/ICC Number: Not reported Company Name: Not reported Reporting Officer Name/ID: Not reported Not reported Report Date: Not reported Comments: Not reported Facility Telephone: Waterway Involved: Not reported Waterway: Not reported Spill Site: Not reported Cleanup By: Reporting Party Containment: Not reported What Happened: Not reported Type: Not reported Measure: Not reported Other: Not reported

Year: 2007 Agency: Kinder Morgan

Date/Time:

Incident Date: 5/24/2007 12:00:00 AM
Admin Agency: Brisbane Fire Department

Not reported

Amount: Not reported
Contained: Yes
Site Type: Other
E Date: Not reported
Substance: Diesel
Quantity Released: Not reported

Distance (ft.)Site Database(s) EPA ID Number

# SFPP (KINDER MORGAN) BRISBANE TERMINAL (Continued)

S103677066

**EDR ID Number** 

BBLS: 0
Cups: 0
CUFT: 0

Gallons: 0.000000 Grams: 0

Pounds: 0 Liters: 0 Ounces: 0 Pints: 0 Quarts: 0 0 Sheen: 0 Tons: Unknown: 0 Evacuations: 0 Number of Injuries: 0 Number of Fatalities: 0

Description: Substance was released from the Op-Tank on a loading truck due to a

hole in the tank which was created when the tank struck the containment berm. Caller states release size is 4 ft X 4 Ft.

Absorbents have been applied.

**OES Incident Number:** 06-1357 OES notification: 03/04/2006 OES Date: Not reported **OES Time:** Not reported Incident Date: Not reported **Date Completed:** Not reported Property Use: Not reported Agency Id Number: Not reported Not reported Agency Incident Number: 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?:
Resp Agncy Personel # Of Decontaminated:
Responding Agency Personel # Of Injuries:
Responding Agency Personel # Of Fatalities:
Others Number Of Decontaminated:
Others Number Of Injuries:
Others Number Of Fatalities:
Not reported

Vehicle Make/year: Not reported Vehicle License Number: Not reported Not reported Vehicle State: Vehicle Id Number: Not reported CA/DOT/PUC/ICC Number: Not reported Company Name: Not reported Reporting Officer Name/ID: Not reported Not reported Report Date: Comments: Not reported Facility Telephone: Not reported Waterway Involved: Not reported Waterway: Not reported Spill Site: Not reported Reporting Party Cleanup Bv: Containment: Not reported

Distance (ft.)Site Database(s) EPA ID Number

## SFPP (KINDER MORGAN) BRISBANE TERMINAL (Continued)

S103677066

**EDR ID Number** 

What Happened: Not reported Type: Not reported Measure: Not reported Other: Not reported Date/Time: Not reported Year: 2006

Agency: Kinder Morgan
Incident Date: 3/4/2006 12:00:00 AM
Admin Agency: Brisbane Fire Department

Amount: Not reported
Contained: Yes
Site Type: Other
E Date: Not reported
Substance: Oily Water
Quantity Released: Not reported

BBLS: 0
Cups: 0
CUFT: 0

Gallons: 0.000000

Grams: 0 0 Pounds: Liters: 0 0 Ounces: Pints: Quarts: 0 Sheen: 0 Tons: 0 Unknown: 0 Evacuations: 0 0 Number of Injuries: Number of Fatalities: 0

Description: A broken valve caused small spill on floor.

**OES Incident Number:** 05-4462 OES notification: 07/28/2005 OES Date: Not reported **OES Time:** Not reported Incident Date: Not reported Date Completed: Not reported Property Use: Not reported Agency Id Number: Not reported Agency Incident Number: Not reported Time Notified: Not reported Not reported Time Completed: Surrounding Area: Not reported **Estimated Temperature:** Not reported Property Management: Not reported

More Than Two Substances Involved?:
Resp Agncy Personel # Of Decontaminated:
Responding Agency Personel # Of Injuries:
Responding Agency Personel # Of Fatalities:
Others Number Of Decontaminated:
Not reported

Vehicle Make/year: Not reported Vehicle License Number: Not reported Vehicle State: Not reported

Distance
Distance (ft.)Site
Database(s) EPA ID Number

## SFPP (KINDER MORGAN) BRISBANE TERMINAL (Continued)

S103677066

**EDR ID Number** 

Vehicle Id Number: Not reported CA/DOT/PUC/ICC Number: Not reported Not reported Company Name: Reporting Officer Name/ID: Not reported Report Date: Not reported Comments: Not reported Not reported Facility Telephone: Not reported Waterway Involved: Waterway: Not reported Spill Site: Not reported Cleanup By: Reporting Party Not reported Containment: What Happened: Not reported Type: Not reported Measure: Not reported Other: Not reported Date/Time: Not reported Year: 2005

Agency: Kinder Morgan Incident Date: 7/28/200512:00:00 AM

Admin Agency: Brisbane Fire Department

Amount: Not reported
Contained: Yes
Site Type: Other
E Date: Not reported
Substance: Turbine Fuel
Quantity Released: Not reported

BBLS: 0 Cups: 0 CUFT: 0 100 Gallons: Grams: 0 Pounds: 0 Liters: 0 Ounces: 0 Pints: 0 Quarts: 0 Sheen: 0 Tons: 0 Unknown: 0 Evacuations: 0 Number of Injuries: 0 Number of Fatalities:

Description: During a pipeline modification the substance spilled from the pipeline. The spill was contained in the containment area.

**OES Incident Number:** '08-4006 OES notification: 06/05/2008 OES Date: Not reported OES Time: Not reported Not reported Incident Date: **Date Completed:** Not reported Property Use: Not reported Agency Id Number: Not reported Not reported Agency Incident Number: Time Notified: Not reported Time Completed: Not reported

Distance (ft.)Site Database(s) EPA ID Number

## SFPP (KINDER MORGAN) BRISBANE TERMINAL (Continued)

S103677066

**EDR ID Number** 

Surrounding Area: Not reported Estimated Temperature: Not reported Property Management: Not reported

More Than Two Substances Involved?:

Resp Agncy Personel # Of Decontaminated:
Responding Agency Personel # Of Injuries:
Responding Agency Personel # Of Fatalities:
Others Number Of Decontaminated:
Others Number Of Injuries:
Others Number Of Injuries:
Others Number Of Fatalities:
Not reported
Not reported
Not reported
Not reported
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 Comments: Not reported Facility Telephone: Not reported Waterway Involved: No

Waterway: Not reported

Spill Site: Other Cleanup By: Reporting Party Containment: Not reported What Happened: Not reported Type: Not reported Measure: Unknown Other: Not reported 0805 Date/Time: 2008 Year:

Agency: Kinder Morgan Incident Date: 6/5/2008

Admin Agency: Brisbane Fire Department

Not reported

Not reported

Amount: Not reported

Contained: Yes
Site Type: Not reported

E Date:

Unknown:

Substance: Hydraulic Oil Quantity Released: UNK BBLS: Not reported Not reported Cups: CUFT: Not reported Gallons: Not reported Not reported Grams: Pounds: Not reported Liters: Not reported Ounces: Not reported Pints: Not reported Not reported Quarts: Sheen: Not reported Tons: Not reported

Evacuations: 0
Number of Injuries: 0
Number of Fatalities: 0

Description: The caller is reporting a 2 foot by 2 foot stain on the floor.

Distance
Distance (ft.)Site
Database(s) EPA ID Number

## SFPP (KINDER MORGAN) BRISBANE TERMINAL (Continued)

S103677066

**EDR ID Number** 

**OES Incident Number:** 06-0753 OES notification: 02/04/2006 Not reported OES Date: **OES Time:** Not reported Incident Date: Not reported Not reported Date Completed: Not reported Property Use: 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?:
Resp Agncy Personel # Of Decontaminated:
Responding Agency Personel # Of Injuries:
Responding Agency Personel # Of Fatalities:
Others Number Of Decontaminated:
Others Number Of Injuries:
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 Not reported Comments: Not reported Facility Telephone: Waterway Involved: Not reported Waterway: Not reported Spill Site: Not reported Reporting Party Cleanup By: Not reported Containment: What Happened: Not reported Type: Not reported Measure: Not reported Other: Not reported Date/Time: Not reported 2006 Year:

Agency: Kinder Morgan
Incident Date: 2/4/2006 12:00:00 AM
Admin Agency: Brisbane Fire Department

Amount: Not reported
Contained: Yes
Site Type: Oil Field
E Date: Not reported
Substance: Hydraulic Fluid
Quantity Released: Not reported

BBLS: 0
Cups: 0
CUFT: 0
Gallons: 10
Grams: 0
Pounds: 0

Distance (ft.)Site Database(s) EPA ID Number

# SFPP (KINDER MORGAN) BRISBANE TERMINAL (Continued)

S103677066

**EDR ID Number** 

Liters: 0 0 Ounces: 0 Pints: 0 Quarts: Sheen: Tons: 0 Unknown: 0 Evacuations: 0 Number of Injuries: 0 Number of Fatalities: 0

Description: A line broke on valve and spilled hydraulic fluid.

**OES Incident Number:** '08-0366 OES notification: 01/11/2008 OES Date: Not reported OES Time: Not reported Incident Date: Not reported **Date Completed:** Not reported Property Use: Not reported Agency Id Number: Not reported Agency Incident Number: Not reported Time Notified: Not reported Not reported Time Completed: Surrounding Area: Not reported Estimated Temperature: Not reported Property Management: Not reported

More Than Two Substances Involved?:

Resp Agncy Personel # Of Decontaminated:

Responding Agency Personel # Of Injuries:

Responding Agency Personel # Of Fatalities:

Others Number Of Decontaminated:

Others Number Of Injuries:

Others Number Of Fatalities:

Not reported

Vehicle Make/year: Not reported Not reported Vehicle License Number: Not reported Vehicle State: 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 Not reported Comments: Facility Telephone: Not reported Waterway Involved: No

Waterway: Not reported

Spill Site: Road

Cleanup By: Reporting Party Containment: Not reported What Happened: Not reported Not reported Type: Measure: Gal(s) Other: Not reported 1027 Date/Time: Year: 2008 Agency: **NRC** 1/11/2008 Incident Date:

Admin Agency: Brisbane Fire Department

Distance (ft.)Site Database(s) EPA ID Number

## SFPP (KINDER MORGAN) BRISBANE TERMINAL (Continued)

S103677066

**EDR ID Number** 

Amount: Not reported Contained: Yes Site Type: Not reported Not reported E Date: Substance: Gasoline Quantity Released: unknown BBLS: Not reported Cups: Not reported CUFT: Not reported Gallons: Not reported Not reported Grams: Not reported Pounds: Liters: Not reported Not reported Ounces: Pints: Not reported Quarts: Not reported Not reported Sheen: Tons: Not reported Unknown: Not reported

Evacuations: 0
Number of Injuries: 0
Number of Fatalities: 0

Description: Per NRC Report: Caller reported that driver was coming off a loading

rack when he hit the containment pad causing fuel to release onto

asphalt.

**OES Incident Number:** 03-5463 OES notification: 10/22/2003 OES Date: Not reported **OES Time:** Not reported Incident Date: Not reported **Date Completed:** Not reported Not reported Property Use: Agency Id Number: Not reported Not reported Agency Incident Number: 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?:

Resp Agncy Personel # Of Decontaminated:
Responding Agency Personel # Of Injuries:
Responding Agency Personel # Of Fatalities:
Others Number Of Decontaminated:
Others Number Of Injuries:
Others Number Of Fatalities:
Not reported

Vehicle Make/year: Not reported Vehicle License Number: Not reported Not reported Vehicle State: 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 Comments: Not reported Facility Telephone: Not reported

Distance (ft.)Site Database(s) EPA ID Number

## SFPP (KINDER MORGAN) BRISBANE TERMINAL (Continued)

No

S103677066

**EDR ID Number** 

Waterway Involved:

Waterway: Not reported Spill Site: Not reported Cleanup By: Reporting Party Containment: Not reported Not reported What Happened: Not reported Type: Measure: Not reported Other: Not reported Date/Time: Not reported 2003 Year:

Agency: Kinder Morgan

Incident Date: 10/22/200312:00:00 AM
Admin Agency: Brisbane Fire Department

Amount: Not reported Yes Site Type: Other E Date: Not reported Substance: Trans Mix Quantity Released: Not reported

BBLS: 0
Cups: 0
CUFT: 0
Gallons: 0.000000
Grams: 0
Pounds: 0

Liters: 0 Ounces: 0 Pints: 0 0 Quarts: Sheen: O Tons: 0 Unknown: 0 Evacuations: 0 Number of Injuries: 0 Number of Fatalities: 0

Description: The substance spilled from a storage tank for unknown reason. The

leak has been stopped.

**OES Incident Number:** 06-2382 OES notification: 04/20/2006 OES Date: Not reported **OES Time:** Not reported Not reported Incident Date: Not reported **Date Completed:** Not reported Property Use: 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?:

Resp Agncy Personel # Of Decontaminated:
Responding Agency Personel # Of Injuries:
Responding Agency Personel # Of Fatalities:
Not reported
Not reported
Not reported

Distance (ft.)Site Database(s) EPA ID Number

## SFPP (KINDER MORGAN) BRISBANE TERMINAL (Continued)

S103677066

**EDR ID Number** 

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 Not reported Vehicle State: Not reported Vehicle Id Number: Not reported CA/DOT/PUC/ICC Number: Company Name: Not reported Reporting Officer Name/ID: Not reported Report Date: Not reported Not reported Comments: Not reported Facility Telephone: Waterway Involved: Not reported Waterway: Not reported Spill Site: Not reported Reporting Party Cleanup By: Not reported Containment: What Happened: Not reported Type: Not reported Measure: Not reported Other: Not reported Date/Time: Not reported Year: 2006

Agency: Kinder Morgan / Brisbane Terminal

Incident Date: 4/20/2006 12:00:00 AM
Admin Agency: Brisbane Fire Department

Amount: Not reported
Contained: Yes
Site Type: Pipe Line
E Date: Not reported
Substance: Diesel
Quantity Released: Not reported

BBLS: 0
Cups: 0
CUFT: 0

Gallons: 0.000000 Grams: 0 Pounds: 0 Liters: 0 Ounces: 0 Pints: 0 Quarts: 0 Sheen: 0 Tons: 0 Unknown: 0 Evacuations: 0 Number of Injuries: 0

Number of Fatalities:

Description: A truck was loading and hit its limit. Instead of stopping the pump that was supplying it, substance released from the top of the truck

in a mist which sprayed on ground around the truck.

OES Incident Number: 06-0411
OES notification: 01/16/2006
OES Date: Not reported
OES Time: Not reported

0

**EDR ID Number** 

Database(s) EPA ID Number

## SFPP (KINDER MORGAN) BRISBANE TERMINAL (Continued)

S103677066

Incident Date: Not reported **Date Completed:** Not reported Not reported Property Use: Not reported Agency Id Number: 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?:

Resp Agncy Personel # Of Decontaminated:
Responding Agency Personel # Of Injuries:
Responding Agency Personel # Of Fatalities:
Others Number Of Decontaminated:
Others Number Of Injuries:
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 Not reported Company Name: Reporting Officer Name/ID: Not reported Report Date: Not reported Comments: Not reported Facility Telephone: Not reported Waterway Involved: Not reported Waterway: Not reported Spill Site: Not reported Unknown Cleanup By: Containment: Not reported What Happened: Not reported Type: Not reported Not reported Measure: Not reported Other: Date/Time: Not reported Year: 2006

Agency: Kinder Morgan
Incident Date: 1/16/2006 12:00:00 AM
Admin Agency: Brisbane Fire Department

Amount: Not reported
Contained: Unknown
Site Type: Pipe Line
E Date: Not reported
Substance: Alarm Alerting
Quantity Released: Not reported

BBLS: 0
Cups: 0
CUFT: 0
Gallons: 0.000000

 Grams:
 0

 Pounds:
 0

 Liters:
 0

 Ounces:
 0

 Pints:
 0

 Quarts:
 0

Distance (ft.)Site Database(s) EPA ID Number

## SFPP (KINDER MORGAN) BRISBANE TERMINAL (Continued)

S103677066

**EDR ID Number** 

Sheen: 0
Tons: 0
Unknown: 0
Evacuations: 0
Number of Injuries: 0
Number of Fatalities: 0

Description: Alarm is alerting for a leak, however no leak is occuring. Per the

reporting party they have been having issues with this alarm for the

last few weeks.

**OES Incident Number:** '08-1260 OES notification: 02/11/2008 OES Date: Not reported **OES Time:** Not reported Incident Date: Not reported **Date Completed:** Not reported Not reported Property Use: 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?:
Resp Agncy Personel # Of Decontaminated:
Responding Agency Personel # Of Injuries:
Responding Agency Personel # Of Fatalities:
Others Number Of Decontaminated:
Others Number Of Injuries:
Others Number Of Fatalities:
Not reported
Not reported
Not reported
Not reported
Not reported
Not reported

Vehicle Make/year: Not reported Vehicle License Number: Not reported Vehicle State: Not reported Not reported Vehicle Id Number: CA/DOT/PUC/ICC Number: Not reported Company Name: Not reported Reporting Officer Name/ID: Not reported Report Date: Not reported Comments: Not reported Not reported Facility Telephone: Waterway Involved: No

Waterway: Not reported Spill Site: Pipe Line Reporting Party Cleanup By: Containment: Not reported What Happened: Not reported Type: Not reported Measure: N/A Other: Not reported Date/Time: 1722 Year: 2008 Kinder Morgan Agency:

Agency: Kinder Morgar Incident Date: 2/11/2008

Admin Agency: Brisbane Fire Department

Amount: Not reported Contained: Yes

Distance (ft.)Site Database(s) EPA ID Number

## SFPP (KINDER MORGAN) BRISBANE TERMINAL (Continued)

S103677066

**EDR ID Number** 

Site Type: Not reported E Date: Not reported Substance: Unknown Quantity Released: N/A BBLS: Not reported Cups: Not reported CUFT: Not reported Gallons: Not reported Not reported Grams: Pounds: Not reported Not reported Liters: Not reported Ounces: Pints: Not reported Quarts: Not reported Sheen: Not reported Tons: Not reported Not reported Unknown: Evacuations: 0

Evacuations: 0
Number of Injuries: 0
Number of Fatalities: 0

Description: \*\*\*POTENTIAL RELEASE\*\*\*\*Caller advised they received a vapor detector

alarm at a site, set at 40%. It is their policy to shut down the line & inspect the facility. While caller was on the phone, at 1735 hours, advised it was a false alarm. They will be restoring the system and

everything back on line shortly.

**OES Incident Number:** '08-0361 OES notification: 01/11/2008 OES Date: Not reported OES Time: Not reported Incident Date: Not reported **Date Completed:** Not reported Not reported Property Use: Agency Id Number: Not reported Not reported Agency Incident Number: 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?:

Resp Agncy Personel # Of Decontaminated:
Responding Agency Personel # Of Injuries:
Responding Agency Personel # Of Fatalities:
Others Number Of Decontaminated:
Others Number Of Injuries:
Others Number Of Fatalities:
Not reported

Vehicle Make/year: Not reported Vehicle License Number: Not reported Not reported Vehicle State: 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 Comments: Not reported Facility Telephone: Not reported

EDR ID Number

Database(s)

## SFPP (KINDER MORGAN) BRISBANE TERMINAL (Continued)

S103677066

**EPA ID Number** 

Waterway Involved: No

Waterway: Not reported Spill Site: Other Cleanup By: Reporting Party Containment: Not reported Not reported What Happened: Not reported Type: Measure: Unknown Other: Not reported Date/Time: 1027 2008 Year:

Agency: Kinder Morgan Incident Date: 1/11/2008

Admin Agency: Brisbane Fire Department

Amount: Not reported

Contained: Yes Not reported Site Type: E Date: Not reported Substance: Diesel Quantity Released: Unknown BBLS: Not reported Cups: Not reported CUFT: Not reported Gallons: Not reported Not reported Grams: Pounds: Not reported Liters: Not reported Ounces: Not reported Not reported Pints: Not reported Quarts: Not reported Sheen: Tons: Not reported

Evacuations: 0
Number of Injuries: 0
Number of Fatalities: 0

Description: Caller states substance escaped the containment rack area and

trickled down the embankment. Released covered a paved area of 2 1/2

Ft wide X 50 Ft long.

Not reported

## 19 SFPP, L.P. BRISBANE TERMINAL 950 TUNNEL ROAD BRISBANE, CA

Unknown:

CA Cortese S110985383 CA ENF N/A

CORTESE:

CORTESE Region: Envirostor Id: Not reported Site/Facility Type: Not reported Cleanup Status: Not reported Status Date: Not reported Site Code: Not reported Not reported Latitude: Not reported Longitude: Owner: Not reported Enf Type: Not reported Swat R: Not reported CORTESE Flag: Order No: Not reported

Distance (ft.)Site Database(s) EPA ID Number

# SFPP, L.P. BRISBANE TERMINAL (Continued)

S110985383

**EDR ID Number** 

Waste Discharge System No:

Effective Date:

Region 2:

WID Id:

Solid Waste Id No:

Waste Management Uit Name:

Not reported

Not reported

Not reported

Not reported

Not reported

ENF:

Region: 2 Facility Id: 235013

Agency Name: Kinder Morgan Energy Partners LP

Place Type: Facility
Place Subtype: Not reported
Facility Type: All other facilities

Agency Type: Privately-Owned Business

# Of Agencies:

Place Latitude: Not reported Place Longitude: Not reported SIC Code 1: 5171

SIC Desc 1: Petroleum Bulk Stations and Terminals

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 Not reported NAICS Desc 3:

# Of Places:

Source Of Facility: Reg Meas Design Flow: Not reported Threat To Water Quality: Not reported Not reported Complexity: 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 SLIC Program: Program Category1: **TANKS** Program Category2: **TANKS** # Of Programs:

WDID: 2 417136N01
Reg Measure Id: 161485
Reg Measure Type: Unregulated

Region: Order #: Not reported Npdes# CA#: Not reported Major-Minor: Not reported Npdes Type: Not reported Not reported Reclamation: Dredge Fill Fee: Not reported 301H: Not reported Application Fee Amt Received: Not reported Status: Never Active

Distance

# SFPP, L.P. BRISBANE TERMINAL (Continued)

S110985383

Database(s)

**EDR ID Number** 

**EPA ID Number** 

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:

Direction/Voice:

Enforcement Id(EID):

Region:

Order / Resolution Number:

Not reported
Passive
222076
222076
292-141

Enforcement Action Type: Clean-up and Abatement Order

Effective Date: 11/18/1992
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: SCR 92-141 for the Kinder Morgan (SFPP) Brisbane Terminal

Description: SCR-Program: SLIC

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: 235013 Agency Name: Not reported Place Type: Facility Place Subtype: Not reported All other facilities Facility Type: Agency Type: Not reported # Of Agencies: Not reported Place Latitude: Not reported Place Longitude: Not reported SIC Code 1: 5171

SIC Desc 1: Petroleum Bulk Stations and Terminals

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 Code 2: Not reported

**EDR ID Number** 

Database(s) **EPA ID Number** 

S110985383

#### SFPP, L.P. BRISBANE TERMINAL (Continued)

NAICS Desc 2: Not reported NAICS Code 3: Not reported NAICS Desc 3: Not reported

# Of Places: Source Of Facility: Enf Action 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: Not reported Program Category1: Not reported Program Category2: **TANKS** # Of Programs: Not reported WDID: Not reported Reg Measure Id: Not reported Reg Measure Type: Not reported Region: Not reported 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 Not reported Status: Status Date: Not reported Effective Date: Not reported Expiration/Review Date: Not reported Termination Date: Not reported Not reported WDR Review - Amend: Not reported WDR Review - Revise/Renew: Not reported WDR Review - Rescind: WDR Review - No Action Required: Not reported WDR Review - Pending: Not reported WDR Review - Planned: Not reported

Region: Order / Resolution Number: R2-2008-0019

Status Enrollee: Individual/General:

Direction/Voice:

Enforcement Id(EID):

Fee Code:

Enforcement Action Type: Clean-up and Abatement Order

Effective Date: 04/09/2008 Adoption/Issuance Date: 04/09/2008 Achieve Date: Not reported Termination Date: Not reported ACL Issuance Date: Not reported **EPL Issuance Date:** Not reported Status: Active

SCR Order No. R2-2008-0019 for the SFPP, L.P. Brisbane Terminal Title:

Description: Site cleanup requirements for the SFPP Brisbane Terminal,

Not reported

Not reported

Not reported

Not reported 346193

rection EDR ID Number

Distance (ft.)Site Database(s) EPA ID Number

SFPP, L.P. BRISBANE TERMINAL (Continued)

S110985383

950 Tunnel Avenue, Brisbane, CA - updates SCR Order No.

92-141 adopted in November 1992

Program: SLIC
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

19 SCR-SFPP, LP;BRISBANE TER 950 TUNNEL

BRISBANE, CA 94005

HIST CORTESE:

Region: CORTESE
Facility County Code: 41
Reg By: WBC&D
Reg Id: 2 417136N01

\_\_\_\_\_

20 PARGETER PROPERTY 3840 BAYSHORE BRISBANE, CA 94005

LUST REG 2:

Region: 2

Facility Id: Not reported Facility Status: Case Closed Case Number: 560026 How Discovered: ОМ Leak Cause: Unknown Leak Source: Unknown Date Leak Confirmed: Not reported LUST Oversight Program:

Prelim. Site Assesment Wokplan Submitted:
Preliminary Site Assesment Began:
Pollution Characterization Began:
Pollution Remediation Plan Submitted:
Not reported
Not reported
Not reported
Not reported
Post Remedial Action Monitoring Began:
Not reported

\_\_\_\_

20 CENTER LINE AUTOMOTIVE 3840 BAYSHORE BRISBANE, CA 94005

HIST CORTESE:

Region: CORTESE
Facility County Code: 41
Reg By: LTNKA
Reg Id: 41-1004

CA HIST CORTESE \$103892110 CA LUST N/A

CA San Mateo Co. BI

CA HIST CORTESE \$104972630

N/A

CA LUST S102434968

N/A

TC4090296.5s Page 299 of 476

rection EDR ID Number

# **CENTER LINE AUTOMOTIVE (Continued)**

S103892110

**EPA ID Number** 

Database(s)

LUST:

 Region:
 STATE

 Global Id:
 T0608100918

 Latitude:
 37.678669

 Longitude:
 -122.394276

 Case Type:
 LUST Cleanup Site

 Status:
 Completed - Case Closed

Status Date: 10/08/1998

Lead Agency: SAN MATEO COUNTY LOP

Case Worker: JM

Local Agency: SAN MATEO COUNTY LOP RB Case Number: 41-1004

LOC Case Number: 560026
File Location: Local Agency
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0608100918

Contact Type: Local Agency Caseworker
Contact Name: JACOB MADDEN
Organization Name: SAN MATEO COUNTY LOP
Address: 2000 ALAMEDA DE LAS PULGAS

City: SAN MATEO Email: jmadden@smcgov.org

Phone Number: 6503726298

Global Id: T0608100918

Contact Type: Regional Board Caseworker

Contact Name: UUU

Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)

Address: 1515 CLAY ST SUITE 1400

City: OAKLAND
Email: Not reported
Phone Number: Not reported

Status History:

Global Id: T0608100918

Status: Completed - Case Closed

Status Date: 10/08/1998

Global Id: T0608100918

Status: Open - Case Begin Date

Status Date: 09/11/1996

Regulatory Activities:

 Global Id:
 T0608100918

 Action Type:
 ENFORCEMENT

 Date:
 10/01/1996

Action: Notice of Responsibility - #1

Global Id: T0608100918 Action Type: Other

EDR ID Number

Database(s) EPA ID Number

# **CENTER LINE AUTOMOTIVE (Continued)**

S103892110

 Date:
 01/01/1950

 Action:
 Leak Discovery

 Global Id:
 T0608100918

 Action Type:
 Other

 Date:
 01/01/1950

 Action:
 Leak Reported

SAN MATEO CO. LUST:

 Region:
 SAN MATEO

 Facility ID:
 560026

 Facility Status:
 9- Case Closed

 Global ID:
 T0608100918

 APN Number:
 007553050

Case Type: SAN MATEO CO. LUST EDR Link ID: SAN MATEO CO. LUST

San Mateo Co. BI:

Region: SAN MATEO Facility ID: FA0007481

Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT

Record Id: PR0011809

Description: GENERATES & RECYCLES WASTE OIL/SOLVENT

Region: SAN MATEO Facility ID: FA0007481

Prog Element Code: UNDERGROUND TANK - GENERAL

Record Id: PR0028455

Description: UNDERGROUND TANK - GENERAL

## 20 VWR FACILITY (FORMER) 3745-3775 BAYSHORE BOULEVARD BRISBANE, CA 94005

CA LUST S113887339 CA SLIC N/A

SAN MATEO CO. LUST:

Region: SAN MATEO Facility ID: 569033

Facility Status: 3B- Preliminary Assessment Underway

Global ID: T10000005054 APN Number: 007150030

Case Type: SAN MATEO CO. LUST EDR Link ID: SAN MATEO CO. LUST

SLIC:

Region: STATE

Facility Status: Open - Site Assessment

 Status Date:
 08/14/2013

 Global Id:
 T10000005054

Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)

Lead Agency Case Number: Not reported
Latitude: 37.676963
Longitude: -122.391106

Case Type: Cleanup Program Site

Case Worker: AK

Local Agency: SAN MATEO COUNTY LOP

#### MAP FINDINGS

Map ID
Direction
EDR ID Number
Distance

Distance (ft.)Site Database(s) EPA ID Number

# VWR FACILITY (FORMER) (Continued)

S113887339

RB Case Number: Not reported

File Location: Stored electronically as an E-file

Potential Media Affected: Other Groundwater (uses other than drinking water), Soil, Under

Investigation

Potential Contaminants of Concern: Tetrachloroethylene (PCE), Trichloroethylene (TCE), Vinyl chloride

Site History: Site Opened 8/14/2013

Click here to access the California GeoTracker records for this facility:

21 VWR INTERNATIONAL, LLC 3745 BAYSHORE BLVD. BRISBANE, CA 94005

RCRA-LQG 1000131164 FINDS CAD043073964

NY MANIFEST CA HAZNET

RCRA-LQG:

Date form received by agency: 03/27/2013

Facility name: VWR INTERNATIONAL, LLC Facility address: 3745 BAYSHORE BOULEVARD

BRISBANE, CA 94005

EPA ID: CAD043073964

Mailing address: BAYSHORE BOULEVARD

BRISBANE, CA 94005

Contact: SEAN FU

Contact address: BAYSHORE BOULEVARD

BRISBANE, CA 94005

Contact country: Not reported Contact telephone: (415) 570-0862

Contact email: SEAN\_FU@VWR.COM

EPA Region: 09 Land type: Private

Classification: Large Quantity Generator

Description: Handler: generates 1,000 kg or more of hazardous waste during any

calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than

100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: VWR INTERNATIONAL, LLC

Owner/operator address: MATSONFORD ROAD PO BOX 6660, B LG 1 SUITE 200

RADNOR, PA 19087

Owner/operator country: Not reported
Owner/operator telephone: (610) 386-1306

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1962
Owner/Op end date: Not reported

Owner/operator name: VWR INTERNATIONAL, LLC

Owner/operator address: MATSONFORD ROAD PO BOX 6660, B LG 1 SUITE 200

Distance
Distance (ft.)Site Database(s) EPA ID Number

# VWR INTERNATIONAL, LLC (Continued)

1000131164

**EDR ID Number** 

RADNOR, PA 19087

Owner/operator country: US

Owner/operator telephone: (610) 386-1306

Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1962
Owner/Op end date: Not reported

Owner/operator name: RICHARD AND HAROLD FREEMAN

Owner/operator address: 1310 GOSHEN PKWY

WEST CHESTER, PA 19380

Owner/operator country: US

Owner/operator telephone: Not reported Legal status: Private Owner/Operator Type: Owner Owner/Op start date: 03/01/1978 Owner/Op end date: Not reported

Owner/operator name: VWR INTL
Owner/operator address: Not reported
Not reported

Owner/operator country:
Owner/operator telephone:
Legal status:
Owner/Operator Type:
Owner/Op start date:
Owner/Op end date:

VS
Not reported
Private
Operator
Operator
Oyner/Op start date:
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: No 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

## **Historical Generators:**

Date form received by agency: 03/03/2010

Site name: VWR INTERNATIONAL Classification: Large Quantity Generator

Date form received by agency: 03/01/2004
Site name: VWR INTL INC

Classification: Small Quantity Generator

Date form received by agency: 03/01/2004
Site name: VWR INTL INC

#### MAP FINDINGS

Map ID Direction Distance Distance (ft.)Site

Direction EDR ID Number

# VWR INTERNATIONAL, LLC (Continued)

1000131164

**EPA ID Number** 

Database(s)

Classification: Large Quantity Generator

Date form received by agency: 10/12/2000

Site name: VWR SCIENTIFIC PRODUCTS, BRISBANE,CA

Classification: Large Quantity Generator

Date form received by agency: 03/04/1999

Site name: VWR SCIENTIFIC PRODUCTS
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996

Site name: VWR SCIENTIFIC INC Classification: Small Quantity Generator

Date form received by agency: 05/05/1981

Site name: VWR SCIENTIFIC INC
Classification: Large Quantity Generator

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002

Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS

CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D003

Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS

NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE

OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

Waste code: D005 Waste name: BARIUM

Waste code: D007

Waste name: CHROMIUM

Waste code: D008 Waste name: LEAD

Waste code: D009
Waste name: MERCURY

Waste code: D011

Distance (ft.)Site Database(s) EPA ID Number

# VWR INTERNATIONAL, LLC (Continued)

(-)

1000131164

**EDR ID Number** 

Waste name: SILVER

Waste code: D022

Waste name: CHLOROFORM

Waste code: D035

Waste name: METHYL ETHYL KETONE

Waste code: D038
Waste name: PYRIDINE

Waste code: D039

Waste name: TETRACHLOROETHYLENE

Waste code: U002

Waste name: ACETONE (I)

Waste code: U003

Waste name: ACETONITRILE (I,T)

Waste code: U007

Waste name: ACRYLAMIDE

Waste code: U031

Waste name: 1-BUTANOL (I)

Waste code: U044

Waste name: CHLOROFORM

Waste code: U080

Waste name: METHANE, DICHLORO-

Waste code: U112

Waste name: ACETIC ACID ETHYL ESTER (I)

Waste code: U117

Waste name: ETHANE, 1,1'-OXYBIS-(I)

Waste code: U122

Waste name: FORMALDEHYDE

Waste code: U159

Waste name: 2-BUTANONE (I,T)

Waste code: U161

Waste name: METHYL ISOBUTYL KETONE (I)

Waste code: U188
Waste name: PHENOL

Waste code: U210

Waste name: ETHENE, TETRACHLORO-

Waste code: U213

Waste name: FURAN, TETRAHYDRO-(I)

Waste code: U219

Distance (ft.)Site Database(s) EPA ID Number

# VWR INTERNATIONAL, LLC (Continued)

1000131164

**EDR ID Number** 

Waste name: THIOUREA

Waste code: U220

Waste name: BENZENE, METHYL-

Waste code: U239

Waste name: BENZENE, DIMETHYL- (I,T)

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - General

Date violation determined: 04/18/1986 01/01/1987 Date achieved compliance: Violation lead agency: State Enforcement action: Not reported Enforcement action date: Not reported Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: Not reported Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

**Evaluation Action Summary:** 

Evaluation date: 04/18/1986

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - General

Date achieved compliance: 01/01/1987 Evaluation lead agency: State

FINDS:

Registry ID: 110000516549

Environmental Interest/Information System

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

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.

HAZARDOUS WASTE BIENNIAL REPORTER

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

NY MANIFEST:

EPA ID: CAD043073964

Country: USA

Mailing Info:

Name: VWR SCIENTIFIC

## MAP FINDINGS

Map ID Direction Distance Distance (ft.)Site

Direction EDR ID Number

# VWR INTERNATIONAL, LLC (Continued)

1000131164

**EPA ID Number** 

Database(s)

Contact: VWR SCIENTIFIC
Address: 3745 BAYSGORE BLVD
City/State/Zip: BRISBANE, CA 94005

Country: USA

Phone: 415-330-4156

Document ID: NYB1549566

Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC

Trans1 State ID: 10209PNY Trans2 State ID: Not reported Generator Ship Date: 891117 Trans1 Recv Date: 891117 Trans2 Recv Date: Not reported TSD Site Recv Date: 891127 Part A Recv Date: 900110 Part B Recv Date: 891201

 Generator EPA ID:
 CAD043073964

 Trans1 EPA ID:
 NYD980769947

 Trans2 EPA ID:
 Not reported

 TSDF ID:
 NYD000632372

Waste Code: D002 - NON-LISTED CORROSIVE WASTES

Quantity: 00075 Units: P - Pounds Number of Containers: 001

Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: T Chemical, physical, or biological treatment.

Specific Gravity: 100 Year: 89

Document ID: NYA5048739

Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC

Trans1 State ID: 74493BNY Trans2 State ID: Not reported Generator Ship Date: 880115 Trans1 Recv Date: 880115 Trans2 Recv Date: Not reported TSD Site Recv Date: 880201 Part A Recv Date: 880307 Part B Recv Date: 880211 Generator EPA ID: CAD043073964

 Trans1 EPA ID:
 NYD980769947

 Trans2 EPA ID:
 NYD980769947

 TSDF ID:
 NYD000632372

Waste Code: D001 - NON-LISTED IGNITABLE WASTES

Quantity: 00008 Units: P - Pounds Number of Containers: 001

Container Type: DM - Metal drums, barrels

Handling Method: B Incineration, heat recovery, burning.

Specific Gravity: 100
Waste Code: Not reported
Quantity: 00010
Units: P - Pounds

Number of Containers: 001

Container Type: DM - Metal drums, barrels

Distance (ft.)Site Database(s) EPA ID Number

# VWR INTERNATIONAL, LLC (Continued)

1000131164

**EDR ID Number** 

Handling Method: T Chemical, physical, or biological treatment.

Specific Gravity: 100
Waste Code: Not reported
Quantity: 00002
Units: P - Pounds
Number of Containers: 001

Container Type: DM - Metal drums, barrels

Handling Method: T Chemical, physical, or biological treatment.

Specific Gravity: 100
Waste Code: Not reported
Quantity: 00010
Units: P - Pounds
Number of Containers: 001

Container Type: DM - Metal drums, barrels

Handling Method: T Chemical, physical, or biological treatment.

Specific Gravity: 100
Waste Code: Not reported
Quantity: 00004
Units: P - Pounds

Number of Containers: 001

Container Type: DM - Metal drums, barrels

Handling Method: T Chemical, physical, or biological treatment.

Specific Gravity: 100 Year: 88

HAZNET:

Year: 2012

Gepaid: CAD043073964

Contact: C FREEMAN/DIR OF DISTRIBUTION

Telephone: 4155700820 Mailing Name: Not reported

Mailing Address: 3745 BAYSHORE BLVD
Mailing City,St,Zip: BRISBANE, CA 940051402

Gen County: San Mateo
TSD EPA ID: CAT080014079
TSD County: Contra Costa
Waste Category: Not reported

Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery

(H010-H129) Or (H131-H135)

Tons: 1.2775 Facility County: San Mateo

Year: 2012

Gepaid: CAD043073964

Contact: C FREEMAN/DIR OF DISTRIBUTION

Telephone: 4155700820 Mailing Name: Not reported

Mailing Address: 3745 BAYSHORE BLVD
Mailing City,St,Zip: BRISBANE, CA 940051402

Gen County: San Mateo
TSD EPA ID: CAT080014079
TSD County: Contra Costa
Waste Category: Not reported

Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery

(H010-H129) Or (H131-H135)

Tons: 1.2775
Facility County: San Mateo

Distance (ft.)Site Database(s) EPA ID Number

# VWR INTERNATIONAL, LLC (Continued)

1000131164

**EDR ID Number** 

Year: 2012

Gepaid: CAD043073964

Contact: C FREEMAN/DIR OF DISTRIBUTION

Telephone: 4155700820 Mailing Name: Not reported

Mailing Address: 3745 BAYSHORE BLVD Mailing City,St,Zip: BRISBANE, CA 940051402

Gen County: San Mateo
TSD EPA ID: CAT080014079
TSD County: Contra Costa
Waste Category: Not reported

Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery

(H010-H129) Or (H131-H135)

Tons: 0.004 Facility County: San Mateo

Year: 2012

Gepaid: CAD043073964

Contact: C FREEMAN/DIR OF DISTRIBUTION

Telephone: 4155700820 Mailing Name: Not reported

Mailing Address: 3745 BAYSHORE BLVD
Mailing City,St,Zip: BRISBANE, CA 940051402

Gen County: San Mateo
TSD EPA ID: CAT080014079
TSD County: Contra Costa
Waste Category: Not reported

Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery

(H010-H129) Or (H131-H135)

Tons: 0.004 Facility County: San Mateo

Year: 2012

Gepaid: CAD043073964

Contact: C FREEMAN/DIR OF DISTRIBUTION

Telephone: 4155700820 Mailing Name: Not reported

Mailing Address: 3745 BAYSHORE BLVD
Mailing City,St,Zip: BRISBANE, CA 940051402

Gen County: San Mateo
TSD EPA ID: CAT080014079
TSD County: Contra Costa
Waste Category: Not reported

Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery

(H010-H129) Or (H131-H135)

Tons: 0.004 Facility County: San Mateo

Click this hyperlink while viewing on your computer to access 1471 additional CA\_HAZNET: record(s) in the EDR Site Report.

21

ction EDR ID Number

VWR SCIENTIFIC PRODUCTS 3745 BAYSHORE BLVD BRISBANE, CA 94005 CA CHMIRS \$103956809
CA San Mateo Co. BI N/A
CA EMI

Database(s)

**EPA ID Number** 

CHMIRS:

**OES Incident Number:** 05-4111 OES notification: 07/12/2005 OES Date: Not reported OES Time: Not reported Incident Date: Not reported **Date Completed:** Not reported Property Use: Not reported Agency Id Number: Not reported Not reported Agency Incident Number: 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?:
Resp Agncy Personel # Of Decontaminated:
Responding Agency Personel # Of Injuries:
Responding Agency Personel # Of Fatalities:
Others Number Of Decontaminated:
Others Number Of Injuries:
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 Not reported Company Name: Reporting Officer Name/ID: Not reported Report Date: Not reported Comments: Not reported Facility Telephone: Not reported Not reported Waterway Involved: Not reported Waterway: Not reported Spill Site: Cleanup By: Reporting Party Containment: Not reported What Happened: Not reported Type: Not reported Not reported Measure: Other: Not reported Not reported Date/Time: 2005 Year:

Agency: VWR International Incident Date: 7/12/200512:00:00 AM Admin Agency: Brisbane Fire Department

Amount: Not reported

Contained: Yes

Site Type: Merchant/Business
E Date: Not reported
Substance: isopropyl alcohol
Quantity Released: Not reported

BBLS: 0
Cups: 0
CUFT: 0

Distance (ft.)Site Database(s) EPA ID Number

# VWR SCIENTIFIC PRODUCTS (Continued)

S103956809

**EDR ID Number** 

Gallons: 110 0 Grams: 0 Pounds: 0 Liters: Ounces: 0 Pints: 0 Quarts: 0 Sheen: 0 Tons: 0 Unknown: 0 Evacuations: 0 0 Number of Injuries: Number of Fatalities: 0

Description: Released due to a punctured container. Released onto a asphalt

shipping area.

**OES Incident Number:** 97-2130 OES notification: 05/27/1997 OES Date: Not reported **OES Time:** Not reported Incident Date: Not reported **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?:
Resp Agncy Personel # Of Decontaminated:
Responding Agency Personel # Of Injuries:
Responding Agency Personel # Of Fatalities:
Others Number Of Decontaminated:
Others Number Of Injuries:
Others Number Of Fatalities:
Not reported
Not reported
Not reported
Not reported
Not reported
Not reported

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 Not reported Report Date: Comments: Not reported Facility Telephone: Not reported Waterway Involved: Yes Waterway: Storm Drain Spill Site: Not reported Reporting Party Cleanup By: Containment: Not reported What Happened: Not reported Type: Not reported Measure: Not reported Other: Not reported Date/Time: Not reported

Vehicle Make/year:

Direction EDR ID Number sistance

VWR SCIENTIFIC PRODUCTS (Continued)

S103956809

**EPA ID Number** 

Database(s)

Year: 1997

Agency: VWR Scientic

Incident Date: 5/27/199712:00:00 AM
Admin Agency: Brisbane Fire Department

Amount: Not reported Contained: Yes

Site Type: Industrial Plant
E Date: Not reported
Substance: Acetronitrile
Quantity Released: Not reported

BBLS: 0 0 Cups: CUFT: 0 Gallons: 55 Grams: 0 Pounds: 0 Liters: 0 Ounces: 0 Pints: 0 Quarts: 0 Sheen: 0 Tons: 0 Unknown: 0 Evacuations: 0 Number of Injuries: 0 Number of Fatalities:

Description: Drum punctured spilling contents onto concrete loading dock;

recovered 5 gals, 49 gal evaporated est , .5 gal into storm drain,

all recovered. Vermiculite used to absorb product.

San Mateo Co. BI:

Region: SAN MATEO Facility ID: FA0009040

Prog Element Code: GEN <1 TONS HAZ WASTE/YR
Record Id: PR0027871

Description: GEN <1 TONS HAZ WASTE/YR

Region: SAN MATEO Facility ID: FA0009040

Prog Element Code: STORES HAZ MAT <219GAL,1,999LB, 879FT3

Record Id: PR0030091

Description: STORES HAZ MAT <219GAL,1,999LB, 879CF

Region: SAN MATEO Facility ID: FA0009040

Prog Element Code: UNDERGROUND TANK - GENERAL

Record Id: PR0022710

Description: UNDERGROUND TANK - GENERAL

Region: SAN MATEO Facility ID: FA0017934

Prog Element Code: ABOVE GROUND TANK/SPCC

Record Id: PR0044120

Description: ABOVE GROUND TANK/SPCC

Region: SAN MATEO Facility ID: FA0017934

Distance (ft.)Site Database(s) EPA ID Number

# **VWR SCIENTIFIC PRODUCTS (Continued)**

**EDR ID Number** 

S103956809

Prog Element Code: 2233
Record Id: PR0011794

Description: GEN 6-25 TONS HAZ WASTE/YR - RCRA

Region: SAN MATEO Facility ID: FA0017934

Prog Element Code: STORES HAZ MAT <219GAL,1,999LB, 879FT3

Record Id: PR0034422

Description: STORES HAZ MAT <219GAL,1,999LB, 879CF

 Region:
 SAN MATEO

 Facility ID:
 FA0017934

 Prog Element Code:
 2352

 Record Id:
 PR0065666

Description: TIER I: TANK STOR CAP =>1,320 & <5,000 GAL

EMI:

 Year:
 2003

 County Code:
 41

 Air Basin:
 SF

 Facility ID:
 13313

 Air District Name:
 BA

 SIC Code:
 5049

Air District Name:

Community Health Air Pollution Info System:

Consolidated Emission Reporting Rule:

BAY AREA AQMD

Not reported

Not reported

Total Organic Hydrocarbon Gases Tons/Yr:

Reactive Organic Gases Tons/Yr:

Carbon Monoxide Emissions Tons/Yr:

NOX - Oxides of Nitrogen Tons/Yr:

SOX - Oxides of Sulphur Tons/Yr:

Particulate Matter Tons/Yr:

O

Part. Matter 10 Micrometers & Smllr Tons/Yr:

0

 Year:
 2004

 County Code:
 41

 Air Basin:
 SF

 Facility ID:
 13313

 Air District Name:
 BA

 SIC Code:
 5049

BAY AREA AQMD Air District Name: Community Health Air Pollution Info System: Not reported Consolidated Emission Reporting Rule: Not reported Total Organic Hydrocarbon Gases Tons/Yr: 0.026 Reactive Organic Gases Tons/Yr: 0.0217542 Carbon Monoxide Emissions Tons/Yr: 0.073 NOX - Oxides of Nitrogen Tons/Yr: 0.335 SOX - Oxides of Sulphur Tons/Yr: 0.005 Particulate Matter Tons/Yr: 0.024 Part. Matter 10 Micrometers & Smllr Tons/Yr: 0.023424

 Year:
 2005

 County Code:
 41

 Air Basin:
 SF

 Facility ID:
 13313

 Air District Name:
 BA

 SIC Code:
 5049

Distance (ft.)Site Database(s) EPA ID Number

# **VWR SCIENTIFIC PRODUCTS (Continued)**

S103956809

**EDR ID Number** 

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: .026 Reactive Organic Gases Tons/Yr: .0217542 Carbon Monoxide Emissions Tons/Yr: .073 NOX - Oxides of Nitrogen Tons/Yr: .335 SOX - Oxides of Sulphur Tons/Yr: .005 Particulate Matter Tons/Yr: .024 Part. Matter 10 Micrometers & Smllr Tons/Yr: .023424

 Year:
 2006

 County Code:
 41

 Air Basin:
 SF

 Facility ID:
 13313

 Air District Name:
 BA

 SIC Code:
 5049

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: .026 Reactive Organic Gases Tons/Yr: .0217542 Carbon Monoxide Emissions Tons/Yr: .073 NOX - Oxides of Nitrogen Tons/Yr: .335 SOX - Oxides of Sulphur Tons/Yr: .005 Particulate Matter Tons/Yr: .024 Part. Matter 10 Micrometers & Smllr Tons/Yr: .023424

 Year:
 2007

 County Code:
 41

 Air Basin:
 SF

 Facility ID:
 13313

 Air District Name:
 BA

 SIC Code:
 5049

**BAY AREA AQMD** Air District Name: Community Health Air Pollution Info System: Not reported Consolidated Emission Reporting Rule: Not reported Total Organic Hydrocarbon Gases Tons/Yr: .026 Reactive Organic Gases Tons/Yr: .0217542 Carbon Monoxide Emissions Tons/Yr: .073 NOX - Oxides of Nitrogen Tons/Yr: .335 SOX - Oxides of Sulphur Tons/Yr: .005 Particulate Matter Tons/Yr: .024 Part. Matter 10 Micrometers & Smllr Tons/Yr: .023424

 Year:
 2008

 County Code:
 41

 Air Basin:
 SF

 Facility ID:
 13313

 Air District Name:
 BA

 SIC Code:
 5049

Air District Name:

Community Health Air Pollution Info System:
Consolidated Emission Reporting Rule:
Total Organic Hydrocarbon Gases Tons/Yr:
Carbon Monoxide Emissions Tons/Yr:

BAY AREA AQMD
Not reported
Not reported
.026
.0217542
.073

EDR ID Number

S103956809

Database(s) EPA ID Number

# VWR SCIENTIFIC PRODUCTS (Continued)

NOX - Oxides of Nitrogen Tons/Yr: .335 SOX - Oxides of Sulphur Tons/Yr: .005 Particulate Matter Tons/Yr: .024 Part. Matter 10 Micrometers & Smllr Tons/Yr: .023424

 Year:
 2009

 County Code:
 41

 Air Basin:
 SF

 Facility ID:
 13313

 Air District Name:
 BA

 SIC Code:
 5049

Air District Name:

Community Health Air Pollution Info System:
Consolidated Emission Reporting Rule:
Not reported
Not reported
Not reported
Not reported
0.012
Reactive Organic Gases Tons/Yr:
0.0100404

 Carbon Monoxide Emissions Tons/Yr:
 3.500000000000000003E-2

 NOX - Oxides of Nitrogen Tons/Yr:
 0.16300000000000001

SOX - Oxides of Sulphur Tons/Yr: 0

Particulate Matter Tons/Yr: 1.2295081967213101E-2

Part. Matter 10 Micrometers & Smllr Tons/Yr: 0.012

 Year:
 2010

 County Code:
 41

 Air Basin:
 SF

 Facility ID:
 13313

 Air District Name:
 BA

 SIC Code:
 5049

Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported

NOX - Oxides of Nitrogen Tons/Yr: 0.152 SOX - Oxides of Sulphur Tons/Yr: 0

 Year:
 2011

 County Code:
 41

 Air Basin:
 SF

 Facility ID:
 13313

 Air District Name:
 BA

 SIC Code:
 5049

 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: 0.011 Reactive Organic Gases Tons/Yr: 0.0092037 Carbon Monoxide Emissions Tons/Yr: 0.033 NOX - Oxides of Nitrogen Tons/Yr: 0.152 SOX - Oxides of Sulphur Tons/Yr: 0 Particulate Matter Tons/Yr: Part. Matter 10 Micrometers & Smllr Tons/Yr:

Year: 2012

**EDR ID Number** 

**VWR SCIENTIFIC PRODUCTS (Continued)** 

**EPA ID Number** 

S103956809

Database(s)

County Code: 41 SF Air Basin: Facility ID: 13313 Air District Name: BA SIC Code: 5049

BAY AREA AQMD Air District Name: Community Health Air Pollution Info System: Not reported Consolidated Emission Reporting Rule: Not reported Total Organic Hydrocarbon Gases Tons/Yr: 0.011 Reactive Organic Gases Tons/Yr: 0.0092037 Carbon Monoxide Emissions Tons/Yr: 0.033 NOX - Oxides of Nitrogen Tons/Yr: 0.152 SOX - Oxides of Sulphur Tons/Yr:

Particulate Matter Tons/Yr: 0.011270491803

Part. Matter 10 Micrometers & Smllr Tons/Yr: 0.011

21 **CORPORATION YARD** 3745 BAYSHORE (BEHIND) BLVD **BRISBANE, CA 94005** 

SWEEPS UST:

Status: Active 560024 Comp Number: Number:

Board Of Equalization: Not reported 05-12-94 Referral Date: Action Date: 05-12-94 Created Date: 06-15-90 Not reported Owner Tank Id:

SWRCB Tank Id: 41-000-560024-000001

Tank Status: Α Capacity: 4000 Active Date: 03-23-94 Tank Use: M.V. FUEL STG:

Content: **REG UNLEADED** 

Number Of Tanks:

Status: Active 560024 Comp Number: Number:

Board Of Equalization: Not reported 05-12-94 Referral Date: Action Date: 05-12-94 06-15-90 Created Date: Owner Tank Id: Not reported

41-000-560024-000002 SWRCB Tank Id:

Tank Status: Α Capacity: 2000 Active Date: 03-23-94 Tank Use: M.V. FUEL

STG:

**REG UNLEADED** Content: Number Of Tanks: Not reported

CA SWEEPS UST \$106924925 N/A

MAP FINDINGS

Map ID
Direction
EDR ID Number

Distance (ft.)Site Database(s) EPA ID Number

22 J STYLE AT HOME CA San Mateo Co. BI S106981665 3890 BAYSHORE CA San Mateo Co. BI S106981665

BRISBANE, CA 94005

Distance

San Mateo Co. BI:

Region: SAN MATEO Facility ID: FA0022792

Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT

Record Id: PR0025508

Description: GENERATES & RECYCLES WASTE OIL/SOLVENT

Region: SAN MATEO Facility ID: FA0053014

Prog Element Code: GENERATES <27 GAL/YEAR

Record Id: PR0073402

Description: GENERATES <27 GAL/YEAR

22 EDR US Hist Auto Stat 1015462210 N/A

3890 BAYSHORE BLVD BRISBANE, CA 94005

EDR Historical Auto Stations:

Name: ENDLESS MOTORSPORT

Year: 2008

Address: 3890 BAYSHORE BLVD

Name: ENDLESS MOTORSPORT

Year: 2009

Address: 3890 BAYSHORE BLVD

22 BRISBANE CORP YARD CA HIST CORTESE \$103890623

3795 BAYSHORE BRISBANE, CA 94005

HIST CORTESE:

Region: CORTESE Facility County Code: 41 Reg By: LTNKA Reg Id: 41-1028

LUST:

 Region:
 STATE

 Global Id:
 T0608100941

 Latitude:
 37.6766198127827

 Longitude:
 -122.391686439514

 Case Type:
 LUST Cleanup Site

 Status:
 Completed - Case Closed

Status Date: 09/28/2001

Lead Agency: SAN MATEO COUNTY LOP

Case Worker: JM

Local Agency: SAN MATEO COUNTY LOP

RB Case Number: 41-1028
LOC Case Number: 560028
File Location: Local Agency

Potential Media Affect: Other Groundwater (uses other than drinking water)

Potential Contaminants of Concern: Gasoline Site History: Not reported

**CA LUST** 

N/A

Distance (ft.)Site Database(s) EPA ID Number

## **BRISBANE CORP YARD (Continued)**

S103890623

**EDR ID Number** 

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0608100941

Contact Type: Local Agency Caseworker

Contact Name: JACOB MADDEN

Organization Name: SAN MATEO COUNTY LOP
Address: 2000 ALAMEDA DE LAS PULGAS

City: SAN MATEO

Email: jmadden@smcgov.org

Phone Number: 6503726298

Global Id: T0608100941

Contact Type: Regional Board Caseworker

Contact Name: UUU

Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)

Address: 1515 CLAY ST SUITE 1400

City: OAKLAND
Email: Not reported
Phone Number: Not reported

Status History:

Global Id: T0608100941

Status: Completed - Case Closed

Status Date: 09/28/2001

Global Id: T0608100941

Status: Open - Case Begin Date

Status Date: 11/07/1996

Regulatory Activities:

 Global Id:
 T0608100941

 Action Type:
 ENFORCEMENT

 Date:
 02/20/1997

Action: Notice of Responsibility - #1

 Global Id:
 T0608100941

 Action Type:
 Other

 Date:
 01/01/1950

 Action:
 Leak Reported

LUST REG 2:

Region:

Facility Id: Not reported Facility Status: Case Closed 560028 Case Number: How Discovered: OM Leak Cause: Unknown Leak Source: Unknown Date Leak Confirmed: Not reported Oversight Program: LUST

Prelim. Site Assesment Wokplan Submitted: Not reported Preliminary Site Assesment Began: Not reported Pollution Characterization Began: Not reported

**EDR ID Number** 

**BRISBANE CORP YARD (Continued)** S103890623

Database(s)

**EPA ID Number** 

Pollution Remediation Plan Submitted: Not reported Date Remediation Action Underway: Not reported Date Post Remedial Action Monitoring Began: Not reported

SAN MATEO CO. LUST:

SAN MATEO Region: Facility ID: 560028 Facility Status: 9- Case Closed Global ID: T0608100941

APN Number: 007150070 Case Type: SAN MATEO CO. LUST EDR Link ID: SAN MATEO CO. LUST

22 **CAL RITE SERVICES** CA San Mateo Co. BI S106498921 **3785 BAYSHORE** N/A

**BRISBANE, CA 94005** 

San Mateo Co. BI:

SAN MATEO Region: Facility ID: FA0028395

Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT

Record Id: PR0047125

Description: GENERATES & RECYCLES WASTE OIL/SOLVENT

Region: SAN MATEO Facility ID: FA0028395

Prog Element Code: STORES HAZ MAT <219GAL,1,999LB, 879FT3

Record Id: PR0047126

Description: STORES HAZ MAT <219GAL,1,999LB, 879CF

**SPRINT CELL SITE FS04XC054** 23 CA San Mateo Co. BI S110376425

**7000 MARINA BRISBANE, CA 94005** 

San Mateo Co. BI:

Region: SAN MATEO Facility ID: FA0046878

Prog Element Code: STORES HAZ MAT <219GAL,1,999LB, 879FT3

Record Id:

Description: STORES HAZ MAT <219GAL,1,999LB, 879CF

**FINDS** 24 **BRISBANE, CITY OF, SCS SIERRA POINT PARKWAY AT US 101** 

**BRISBANE, CA 94005** 

FINDS:

Registry ID: 110037261762

Environmental Interest/Information System

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United

N/A

1011908996

N/A

Distance (ft.)Site Database(s) EPA ID Number

## **BRISBANE, CITY OF, SCS (Continued)**

1011908996

**EDR ID Number** 

States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

## 25 WDR-SIERRA POINT MARINA 400 MARINA BLVD BRISBANE ,CA, CA 94005

CA CHMIRS \$103441139 CA WMUDS/SWAT N/A

CHMIRS:

**OES Incident Number:** 99-1528 OES notification: 04/07/1999 OES Date: Not reported OES Time: Not reported Incident Date: Not reported **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?:
Resp Agncy Personel # Of Decontaminated:
Responding Agency Personel # Of Injuries:
Responding Agency Personel # Of Fatalities:
Others Number Of Decontaminated:
Others Number Of Injuries:
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 Comments: Not reported Facility Telephone: Not reported Waterway Involved: Yes

Waterway: San Francisco Bay Spill Site: Not reported Cleanup By: Unknown Containment: Not reported What Happened: Not reported Type: Not reported Measure: Not reported Other: Not reported Not reported Date/Time: 1999 Year:

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

## WDR-SIERRA POINT MARINA (Continued)

S103441139

**EDR ID Number** 

Agency: USCG

Incident Date: 4/7/199912:00:00 AM
Admin Agency: Brisbane Fire Department

Amount: Not reported

Contained: Yes

Site Type: Ship/Harbor/Port E Date: Not reported Substance: Fuel Oil Quantity Released: Not reported

BBLS: Cups: 0 CUFT: 0 Gallons: 0 Grams: 0 Pounds: 0 Liters: 0 Ounces: 0 Pints: 0 Quarts: 0 Sheen: 0 0 Tons: Unknown: 0 Evacuations: 0 Number of Injuries: 0 Number of Fatalities: 0

Description: Vessel sunk in San Francisco Bay, vessel name Leona J

WMUDS/SWAT:

Edit Date: Not reported

Complexity: Category C - Facilities having no waste treatment systems, such as

cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as

dairy waste ponds.

Primary Waste: SLDWST

Primary Waste Type: Nonhazardous Solid Wastes/Influent or Solid Wastes that contain

nonhazardous putrescible and non putrescible solid, semisolid, and liquid wastes (E.G., garbage, trash, refuse, paper, demolition and construction wastes, manure, vegetable or animal solid and semisolid

waste).

Secondary Waste: Not reported
Secondary Waste Type: Not reported
Base Meridian: Not reported
NPID: Not reported

Tonnage: 0

Regional Board ID: Not reported
Municipal Solid Waste: False
Superorder: False
Open To Public: False
Waste List: False
Agency Type: City

Agency Name: BRISBANE, CITY OF

Agency Department: Not reported

Agency Address: 150 NORTH HILL DRIVE, STE 4
Agency City,St,Zip: BRISBANE ,CA 94005

Agency Contact: Not reported

irection EDR ID Number

Database(s) EPA ID Number

## WDR-SIERRA POINT MARINA (Continued)

S103441139

Agency Telephone:
Land Owner Name:
Not reported

Region: 2

Facility Type: Solid Waste Site-Class III - Landfills for non hazardous solid wastes.

Facility Description:
Racility Telephone:
SWAT Facility Name:
Primary SIC:
Secondary SIC:
Comments:
Autority Not reported 4953
Not reported Not reported

Waste Discharge System: True

Solid Waste Assessment Test Program: False
Toxic Pits Cleanup Act Program: False
Resource Conservation Recovery Act: False
Department of Defence: False
Solid Waste Assessment Test Program: Not reported

Threat to Water Quality:

Sub Chapter 15:

Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher

considered a minor threat. Not: All nurds without a 11WQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.

True cer: MPC

Regional Board Project Officer: MPC
Number of WMUDS at Facility: 1

Section Range: Not reported

RCRA Facility: No Waste Discharge Requirements: H

Self-Monitoring Rept. Frequency: No Reporting Requirements

Waste Discharge System ID: 2 417103001 Solid Waste Information ID: Not reported

25 SIERRA POINT LANDFILL 1000 MARINA BLVD. BRISBANE CA, CA 94005 CA WDS S104156257
CA LDS N/A
CA ENF
CA San Mateo Co. BI
CA WMUDS/SWAT

CA WDS:

Facility ID: San Francisco Bay 417103001

Facility Type: Solid Waste Site-Class III - Landfills for non hazardous solid wastes.

Facility Status: Active - Any facility with a continuous or seasonal discharge that is

under Waste Discharge Requirements.

NPDES Number: Not reported

Subregion: 2

Facility Telephone: Not reported Facility Contact: JOHN E. ROMIE

Agency Name: SIERRA POINT ENVIRONMENTAL MAN

Agency Address: P.O. Box 348600
Agency City,St,Zip: Sacramento 95834
Agency Contact: Randee Walshe
Agency Telephone: 9169259000
Agency Type: Private

Distance (ft.)Site Database(s) EPA ID Number

## SIERRA POINT LANDFILL (Continued)

S104156257

**EDR ID Number** 

SIC Code: 4953 SIC Code 2: Not reported

Primary Waste Type: Nonhazardous Solid Wastes/Influent or Solid Wastes that contain

nonhazardous putrescible and non putrescible solid, semisolid, and liquid wastes (E.G., garbage, trash, refuse, paper, demolition and construction wastes, manure, vegetable or animal solid and semisolid

waste).

Primary Waste: SLDWST
Waste Type2: Not reported
Waste2: Solid Wastes

Primary Waste Type: Nonhazardous Solid Wastes/Influent or Solid Wastes that contain

nonhazardous putrescible and non putrescible solid, semisolid, and liquid wastes (E.G., garbage, trash, refuse, paper, demolition and construction wastes, manure, vegetable or animal solid and semisolid

waste).

Secondary Waste: Not reported Secondary Waste Type: Not reported

Design Flow: 0
Baseline Flow: 0

Reclamation: No reclamation requirements associated with this facility.

POTW: The POTW Does not have an approved pretreatment program. Some POTWs

may have local pretreatment programs that have not been approved by

the regional board and/or EPA.

Treat To Water: Minor Threat to Water Quality. A violation of a regional board order

should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to

represent no threat to water quality.

Complexity: Category C - Facilities having no waste treatment systems, such as

cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as

dairy waste ponds.

LDS:

Global Id: L10009492010
Latitude: 37.67437
Longitude: -122.3876

Case Type: Land Disposal Site

Status: Open Status Date: 01/01/2001

Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)

Caseworker: ADF

Local Agency:

RB Case Number:

LOC Case Number:

File Location:

Potential Media Affect:

EDR Link ID:

Potential Contaminants of Concern:

Site History:

Not reported

Not reported

Not reported

Not reported

Not reported

Not reported

irection EDR ID Number

## SIERRA POINT LANDFILL (Continued)

S104156257

**EPA ID Number** 

Database(s)

Click here to access the California GeoTracker records for this facility:

ENF:

Region: 2 Facility Id: 256969

Agency Name: Sierra Point Environmental Management

Place Type: Waste Management Unit

Place Subtype: Land fill

Facility Type: Solid Waste Class III - nonhazardous solid wastes

Agency Type: Privately-Owned Business

# Of Agencies:

Place Latitude: 37.674179000000
Place Longitude: -122.3834070000

SIC Code 1: 4953

SIC Desc 1: Refuse Systems 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:

Source Of Facility: Reg Meas
Design Flow: 0.0001
Threat To Water Quality: 3
Complexity: C

Pretreatment: N - POTW does not have EPA approved pretreatment prog.

Facility Waste Type:

Facility Waste Type 2:

Facility Waste Type 3:

Facility Waste Type 3:

Facility Waste Type 4:

Program:

Program Category1:

Program Category2:

# Of Programs:

Solid wastes, NEC

Not reported

Not reported

LFNONOPER

LFNONOPER

LNDISP

LNDISP

LNDISP

# Of Programs:

1

WDID: 2 417103001 Reg Measure Id: 142422 Reg Measure Type: **WDR** Region: Order #: 96-058 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: Not reported Status: Active Status Date: 04/17/1996 Effective Date: 04/17/1996 Expiration/Review Date: 04/17/2011 Termination Date: Not reported

Distance (ft.)Site Database(s) EPA ID Number

## SIERRA POINT LANDFILL (Continued)

S104156257

**EDR ID Number** 

WDR Review - Amend:
WDR Review - Revise/Renew:
WDR Review - Rescind:
WDR Review - No Action Required:
WDR Review - Pending:
WDR Review - Planned:
Not reported
Not reported
Not reported

Status Enrollee: N Individual/General: I

Fee Code: 59 - Land Disposal Site not paying tipping fee

Direction/Voice: Passive
Enforcement Id(EID): 225345
Region: 2

UNKNOWN Order / Resolution Number: Enforcement Action Type: 13267 Letter Effective Date: 03/15/2000 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 417103001

Description: Two seeps were observed at low tide along the southern

boundary of the Brisbane closed landfill and the Guadalupe

Lagoon of the San Francisco Bay

Program: LFNONOPER
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

San Mateo Co. BI:

Region: SAN MATEO Facility ID: FA0027061

Prog Element Code: STORES HAZ MAT <219GAL,1,999LB, 879FT3

Record Id: PR0042554

Description: STORES HAZ MAT <219GAL,1,999LB, 879CF

Region: SAN MATEO Facility ID: FA0028554

Prog Element Code: STORES HAZ MAT <219GAL,1,999LB, 879FT3

Record Id: PR0047523

Description: STORES HAZ MAT <219GAL,1,999LB, 879CF

WMUDS/SWAT:

Edit Date: Not reported

Complexity: Category C - Facilities having no waste treatment systems, such as

cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as

Distance (ft.)Site Database(s) EPA ID Number

## SIERRA POINT LANDFILL (Continued)

S104156257

**EDR ID Number** 

dairy waste ponds.

Primary Waste: SLDWST

Primary Waste Type: Nonhazardous Solid Wastes/Influent or Solid Wastes that contain nonhazardous putrescible and non putrescible solid, semisolid, and liquid wastes (E.G., garbage, trash, refuse, paper, demolition and

construction wastes, manure, vegetable or animal solid and semisolid

waste).

Secondary Waste: Not reported
Secondary Waste Type: Not reported
Base Meridian: Not reported
NPID: Not reported

Tonnage: 0

Regional Board ID:
Municipal Solid Waste:
Superorder:
Open To Public:
Waste List:
Agency Type:
Not reported
False
False
False
City

Agency Name: BRISBANE, CITY OF

Agency Department: Not reported

Agency Address: 150 NORTH HILL DR, STE 4
Agency City, St, Zip: BRISBANE CA 94005

Agency Contact:

Agency Telephone:
Land Owner Name:
Land Owner Address:
Land Owner City,St,Zip:
Land Owner Contact:
Land Owner Phone:

JOHN E. ROMIE
S104841700
Not reported
Not reported
Not reported
Not reported

Region: 2

Facility Type: Solid Waste Site-Class III - Landfills for non hazardous solid wastes.

Facility Description:

Facility Description:

Not reported

Vot reported

Not reported

Waste Discharge System: True

Solid Waste Assessment Test Program: False
Toxic Pits Cleanup Act Program: False
Resource Conservation Recovery Act: False
Department of Defence: False
Solid Waste Assessment Test Program: Not reported

Threat to Water Quality:

Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared

to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to

represent no threat to water quality.

Sub Chapter 15: True
Regional Board Project Officer: DMA
Number of WMUDS at Facility: 1

Section Range: Not reported

RCRA Facility: No Waste Discharge Requirements: A

Self-Monitoring Rept. Frequency: No Reporting Requirements

Distance (ft.)Site Database(s) **EPA ID Number** 

SIERRA POINT LANDFILL (Continued)

S104156257

**EDR ID Number** 

Waste Discharge System ID: 2 417034001 Solid Waste Information ID: Not reported

SIERRA POINT LANDFILL (CLOSED) 26 **BAYSHORE FWY ON S.S.F./BRISBAN BRISBANE, CA 94005** 

CA WMUDS/SWAT \$101612753 N/A

WMUDS/SWAT:

Edit Date: Not reported Complexity: Not reported Primary Waste: Not reported Primary Waste Type: Not reported Secondary Waste: Not reported Secondary Waste Type: Not reported Base Meridian: MD

NPID:

Not reported

Tonnage:

Regional Board ID: Not reported Municipal Solid Waste: False Superorder: False Open To Public: False Waste List: False Agency Type: Not reported Agency Name: SANITARY FILL CO. Agency Department: Not reported

**501 TUNNEL AVENUE** Agency Address: Agency City, St, Zip: SAN FRANCISCO 94134

Agency Contact: Not reported Agency Telephone: 4154682440

Land Owner Name: SIERRA POINT DEVELOPMENT CO.

Land Owner Address: P.O. BOX BA

Land Owner City, St, Zip: BRISBANE, CA 94005

Land Owner Contact: Not reported 4154673878 Land Owner Phone: Region: Facility Type: Not reported Facility Description: Not reported Facility Telephone: Not reported

SIERRA POINT LANDFILL (CLOSED) SWAT Facility Name:

Primary SIC: Not reported Secondary SIC: Not reported Comments: Not reported Last Facility Editors: Not reported Waste Discharge System: False

Solid Waste Assessment Test Program: True Toxic Pits Cleanup Act Program: False Resource Conservation Recovery Act: False

Department of Defence: False SANITARY FILL CO. Solid Waste Assessment Test Program:

Threat to Water Quality: Not reported Sub Chapter 15: False Regional Board Project Officer: UN1 Number of WMUDS at Facility:

03S05W14 Section Range: RCRA Facility: Not reported Waste Discharge Requirements: Not reported Self-Monitoring Rept. Frequency: Not reported Waste Discharge System ID: 2 000070340

**EDR ID Number** 

41-AA-0003

SIERRA POINT LANDFILL (CLOSED) (Continued)

S101612753

**EPA ID Number** 

Solid Waste Information ID:

26 SIERRA POINT DISPOSAL SITE **BAYSHORE FWY ON SSF/BRISBANE CITY LINE BRISBANE, CA** 

CA SWF/LF S102362396 N/A

Database(s)

SWF/LF (SWIS):

Region: STATE Facility ID: 41-AA-0003

Lat/Long: 37.6734999 / -122.38720

Owner Name: Lazzarini, Dave 4084367100 Owner Telephone: Owner Address: Not reported Owner Address2: Gibson Speno Co Owner City, St, Zip: Brisbane, CA **Operational Status:** Closed Operator: Not reported Operator Phone: Not reported Operator Address: Not reported Not reported Operator Address2: Not reported Operator City, St, Zip: Permit Date: Not reported Permit Status: Not reported

Permitted Acreage:

Activity: Solid Waste Disposal Site

Regulation Status: Unpermitted Landuse Name: Not reported GIS Source: Мар Category: Disposal Unit Number: 01 Inspection Frequency: Quarterly Accepted Waste: Not reported Closure Date: Not reported Closure Type: Not reported Disposal Acreage: 0 SWIS Num: 41-AA-0003 Waste Discharge Requirement Num: Not reported Program Type: Not reported Permitted Throughput with Units:

Actual Throughput with Units: Not reported

Permitted Capacity with Units: 0 Remaining Capacity: 0

Remaining Capacity with Units: Not reported

27 **RADISSON HOTEL 5000 SIERRA POINT BRISBANE, CA 94005** 

CA San Mateo Co. BI S106499461 N/A

San Mateo Co. BI:

Region: SAN MATEO Facility ID: FA0025660

STORES HAZ MAT <219GAL,1,999LB, 879FT3 Prog Element Code:

Record Id: PR0075134

Description: STORES HAZ MAT <219GAL,1,999LB, 879CF

SAN MATEO Region:

Map ID Direction Distance

Distance (ft.)Site Database(s) **EPA ID Number** 

**RADISSON HOTEL (Continued)** 

S106499461

CA San Mateo Co. BI S113757569

N/A

**EDR ID Number** 

Facility ID: FA0026101

Prog Element Code: STORES HAZ MAT <219GAL,1,999LB, 879FT3

Record Id: PR0037638

Description: STORES HAZ MAT <219GAL,1,999LB, 879CF

Region: SAN MATEO Facility ID: FA0047198

Prog Element Code: STORES MV FUELS OR WASTE ONLY

Record Id: PR0069691

Description: STORES MV FUELS OR WASTE ONLY

28 **GENESOFT, INC** 7300 SHORELINE **SOUTH SAN FRANCISCO, CA 94080** 

San Mateo Co. BI:

Region: SAN MATEO Facility ID: FA0026830

Prog Element Code: GEN 6-25 TONS HAZ WASTE/YR

Record Id: PR0039784

Description: GEN 6-25 TONS HAZ WASTE/YR

SAN MATEO Region: Facility ID: FA0026830

STORES HAZ MAT <1,199GAL,9,999LB,4,799FT3 Prog Element Code:

Record Id: PR0039785

Description: STORES HAZ MAT <1,199GAL,9,999LB,4,799CF

28 **AFFYMETRIX** 

CA San Mateo Co. BI S113758030 7300 SHORELINE CT. -2ND FLR. N/A **SOUTH SAN FRANCISCO, CA 94080** 

San Mateo Co. BI:

Region: SAN MATEO Facility ID: FA0028673

Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT

Record Id: PR0047960

Description: **GENERATES & RECYCLES WASTE OIL/SOLVENT** 

Region: SAN MATEO Facility ID: FA0028673

Prog Element Code: STORES HAZ MAT <219GAL,1,999LB, 879FT3

Record Id: PR0047961

Description: STORES HAZ MAT <219GAL,1,999LB, 879CF

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

28 GENE SOFT INC 7300 SHORELINE CT SOUTH SAN FRANCISCO, CA 94080

RCRA-SQG:

Date form received by agency: 06/07/2001
Facility name: GENE SOFT INC
Facility address: 7300 SHORELINE CT

SOUTH SAN FRANCISCO, CA 94080

EPA ID: CAR000090753

Contact: ANDREA SUTHERLAND
Contact address: 7300 SHORELINE CT

SOUTH SAN FRANCISCO, CA 94080

Contact country: US

Contact telephone: (650) 837-1854 Contact email: Not reported

EPA Region: 09

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous

waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of

hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: GENESOFT INC
Owner/operator address: 7300 SHORELINE CT

SOUTH SAN FRANCISCO, CA 94080

Owner/operator country: Not reported
Owner/operator telephone: (650) 837-1800

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: No Treater, storer or disposer of HW: No Underground injection activity: Nο 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

Historical Generators:

Date form received by agency:06/07/2001
Site name: GENE SOFT INC
Classification: Small Quantity Generator

**EDR ID Number** 

1004676889

CAR000090753

RCRA-SQG

FINDS

Map ID
Direction
EDR ID Number
Distance

Distance (ft.)Site Database(s) EPA ID Number

#### **GENE SOFT INC (Continued)**

1004676889

Hazardous Waste Summary:

Waste code: D000
Waste name: Not Defined

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002

Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS

CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE

DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D003

Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS

NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE

OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

Waste code: D009
Waste name: MERCURY

Waste code: D022

Waste name: CHLOROFORM

Waste code: F003

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

MIXTURES.

Waste code: F005

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

Virection EDR ID Number

#### **GENE SOFT INC (Continued)**

1004676889

**EPA ID Number** 

Database(s)

FINDS:

Registry ID: 110012242670

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.

28 ACHAOGEN, INC. 7000 SHORELINE COURT 3RD FL, S SOUTH SAN FRANCISCO, CA 94080 RCRA-LQG 1012176186 CAR000200501

RCRA-LQG:

Date form received by agency: 08/30/2010 Facility name: ACHAOGEN, INC.

Facility address: 7000 SHORELINE COURT 3RD FL, S

371

SOUTH SAN FRANCISCO, CA 94080

EPA ID: CAR000200501

Mailing address: SHORELINE COURT 3RD FL, SUITE

371

SOUTH SAN FRANCISCO, CA 94080

Contact: ALLAN S WAGMAN

Contact address: SHORELINE COURT 3RD FL, SUITE 371

SOUTH SAN FRANCISCO, CA 94080

Contact country: Not reported Contact telephone: (650) 266-1148

Contact email: SWAGMAN@ACHAOGEN.COM

EPA Region: 09 Land type: Private

Classification: Large Quantity Generator

Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste

during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than

100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: ACHAOGEN INC Owner/operator address: Not reported

Owner/operator country:

Owner/operator telephone:

Legal status:

Not reported
Not reported
Private

Owner/Operator Type: Operator

Distance (ft.)Site Database(s) EPA ID Number

## ACHAOGEN, INC. (Continued)

1012176186

**EDR ID Number** 

Owner/Op start date: 08/25/2004 Owner/Op end date: Not reported

Owner/operator name: ALEXANDRIA REAL ESTATE
Owner/operator address: EAST COLORADO BLVD SUITE 299

PASADENA, CA 91101

Owner/operator country: Not reported
Owner/operator telephone: (626) 396-4828
Legal status: Private

Owner/Operator Type: Owner
Owner/Op start date: 08/18/2004
Owner/Op end date: Not reported

Owner/operator name: ACHAOGEN, INC Owner/operator address: Not reported

Not reported

Owner/operator country:

Owner/operator telephone:
Legal status:
Owner/Operator Type:
Owner/Op start date:
Owner/Op end date:

Not reported
Private
Operator
Operator
08/25/2004
Not reported

Owner/operator name: ALEXANDRIA REAL ESTATE
Owner/operator address: 385 E COLORADO BLVD STE 299

PASADENA, CA 91101

Owner/operator country: US

Owner/operator telephone: Not reported Legal status: Private Owner/Operator Type: Owner Owner/Op start date: 08/18/2004 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: No 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

#### **Historical Generators:**

Date form received by agency: 05/20/2009
Site name: ACHAOGEN INC
Classification: Large Quantity Generator

irection EDR ID Number

Database(s) EPA ID Number

#### **ACHAOGEN, INC. (Continued)**

1012176186

Hazardous Waste Summary:

Waste code: 211
Waste name: 211

Waste code: 214
Waste name: 214

Waste code: 352 Waste name: 352

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002

Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS

CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE

DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D018
Waste name: BENZENE

Waste code: D022

Waste name: CHLOROFORM

Waste code: F002

Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE,

 $METHYLENE\ CHLORIDE,\ TRICHLOROETHYLENE,\ 1,1,1-TRICHLOROETHANE,$ 

CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND

1,1,2-TRICHLOROBENZENE, TRICHLOROFLOGROMETHANE, AND
1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING,
BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE
OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR
F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND

SPENT SOLVENT MIXTURES.

Waste code: F003

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL

BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

MIXTURES.

Map ID Direction Distance Distance (ft.)Site

**EDR ID Number** 

Database(s) **EPA ID Number** 

#### ACHAOGEN, INC. (Continued)

1012176186

Waste code:

F005

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: LABP Waste name: LAB PACK

Waste code: D001

IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF Waste name:

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET. WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002

A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS Waste name:

> CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE

DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D022

Waste name: CHLOROFORM

Waste code:

THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, Waste name:

METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE,

CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND

1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND

SPENT SOLVENT MIXTURES.

Waste code: F003

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

MIXTURES.

F005 Waste code:

Map ID Direction Distance Distance (ft.)Site

irection EDR ID Number

## ACHAOGEN, INC. (Continued)

1012176186

**EPA ID Number** 

Database(s)

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Facility Has Received Notices of Violations:

Regulation violated: Not reported

Area of violation: Generators - Records/Reporting

Date violation determined: 03/16/2009
Date achieved compliance: 05/28/2009
Violation lead agency: EPA

Enforcement action: SINGLE SITE CA/FO

Enforcement action date: 06/09/2009
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA

Proposed penalty amount:

Final penalty amount:

Paid penalty amount:

Not reported

Not reported

Not reported

Regulation violated: Not reported

Area of violation: Generators - Records/Reporting

Date violation determined: 03/16/2009
Date achieved compliance: 05/28/2009
Violation lead agency: EPA

Enforcement action: LETTER OF INTENT TO INITIATE ENFORCEMENT ACTION

Enforcement action date: 04/17/2009
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 06/09/2009

Evaluation: NOT A SIGNIFICANT NON-COMPLIER

Area of violation: Not reported

Date achieved compliance: Not reported

Evaluation lead agency: EPA

Evaluation date: 03/16/2009

Evaluation: SIGNIFICANT NON-COMPLIER

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 03/16/2009

Evaluation: NON-FINANCIAL RECORD REVIEW Area of violation: Generators - Records/Reporting

Date achieved compliance: 05/28/2009 Evaluation lead agency: EPA

Distance (ft.)Site Database(s) EPA ID Number

28 ION TORRENT SYSTEMS INC 7000 SHORELINE SOUTH SAN FRANCISCO, CA 94080 CA San Mateo Co. BI S113758118 N/A

**EDR ID Number** 

San Mateo Co. BI:

Region: SAN MATEO Facility ID: FA0026827

Prog Element Code: GENERATES <27 GAL/YEAR

Record Id: PR0039777

Description: GENERATES <27 GAL/YEAR

Region: SAN MATEO Facility ID: FA0026894

Prog Element Code: GEN 1-5 TONS HAZ WASTE/YR

Record Id: PR0039945

Description: GEN 1-5 TONS HAZ WASTE/YR

Region: SAN MATEO Facility ID: FA0026894

Prog Element Code: STORES HAZ MAT <219GAL,1,999LB, 879FT3

Record Id: PR0039946

Description: STORES HAZ MAT <219GAL,1,999LB, 879CF

Region: SAN MATEO Facility ID: FA0029353

Prog Element Code: STORES MV FUELS OR WASTE ONLY

Record Id: PR0049852

Description: STORES MV FUELS OR WASTE ONLY

 Region:
 SAN MATEO

 Facility ID:
 FA0029353

 Prog Element Code:
 2352

 Record Id:
 PR0070194

Description: TIER I: TANK STOR CAP =>1,320 & <5,000 GAL

 Region:
 SAN MATEO

 Facility ID:
 FA0036051

 Prog Element Code:
 2233

 Record Id:
 PR0053421

Description: GEN 6-25 TONS HAZ WASTE/YR - RCRA

Region: SAN MATEO Facility ID: FA0036051

Prog Element Code: STORES HAZ MAT <1,199GAL,9,999LB,4,799FT3

Record Id: PR0053420

Description: STORES HAZ MAT <1,199GAL,9,999LB,4,799CF

Region: SAN MATEO Facility ID: FA0036086

Prog Element Code: GENERATES <27 GAL/YEAR

Record Id: PR0053468
Description: GENERATES <27 GAL/YEAR

Region: SAN MATEO Facility ID: FA0036086

Prog Element Code: STORES HAZ MAT <219GAL,1,999LB, 879FT3

Record Id: PR0053467

Description: STORES HAZ MAT <219GAL,1,999LB, 879CF

Distance (ft.)Site Database(s) EPA ID Number

## ION TORRENT SYSTEMS INC (Continued)

S113758118

**EDR ID Number** 

Region: SAN MATEO Facility ID: FA0036088

Prog Element Code: GENERATES <27 GAL/YEAR

Record Id: PR0053473

Description: GENERATES <27 GAL/YEAR

Region: SAN MATEO Facility ID: FA0036088

Prog Element Code: STORES HAZ MAT <219GAL,1,999LB, 879FT3

Record Id: PR0053472

Description: STORES HAZ MAT <219GAL,1,999LB, 879CF

Region: SAN MATEO Facility ID: FA0040150

Prog Element Code: GENERATES <27 GAL/YEAR

Record Id: PR0056108

Description: GENERATES <27 GAL/YEAR

Region: SAN MATEO Facility ID: FA0040150

Prog Element Code: STORES HAZ MAT <219GAL,1,999LB, 879FT3

Record Id: PR0056107

Description: STORES HAZ MAT <219GAL,1,999LB, 879CF

Region: SAN MATEO Facility ID: FA0044803

Prog Element Code: GEN <1 TONS HAZ WASTE/YR

Record Id: PR0057298

Description: GEN <1 TONS HAZ WASTE/YR

Region: SAN MATEO Facility ID: FA0044803

Prog Element Code: STORES HAZ MAT <219GAL,1,999LB, 879FT3

Record Id: PR0057299

Description: STORES HAZ MAT <219GAL,1,999LB, 879CF

Region: SAN MATEO Facility ID: FA0045005

Prog Element Code: GEN <1 TONS HAZ WASTE/YR

Record Id: PR0058232

Description: GEN <1 TONS HAZ WASTE/YR

Region: SAN MATEO Facility ID: FA0045005

Prog Element Code: STORES HAZ MAT <1,199GAL,9,999LB,4,799FT3

Record Id: PR0058231

Description: STORES HAZ MAT <1,199GAL,9,999LB,4,799CF

Region: SAN MATEO Facility ID: FA0046421

Prog Element Code: GEN <1 TONS HAZ WASTE/YR

Record Id: PR0063121

Description: GEN <1 TONS HAZ WASTE/YR

Region: SAN MATEO Facility ID: FA0046421

Prog Element Code: STORES HAZ MAT <219GAL,1,999LB, 879FT3

Map ID Direction Distance Distance (ft.)Site

irection EDR ID Number

ION TORRENT SYSTEMS INC (Continued)

S113758118

1014915692

CAR000221697

**EPA ID Number** 

Database(s)

Record Id: PR0063120

Description: STORES HAZ MAT <219GAL,1,999LB, 879CF

28 FLUIDIGM CORPORATION RCRA-SQG

7000 SHORELINE CT SOUTH SAN FRANCISCO, CA 94080

RCRA-SQG:

Date form received by agency: 09/14/2011

Facility name: FLUIDIGM CORPORATION Facility address: 7000 SHORELINE CT

**STE 100** 

SOUTH SAN FRANCISCO, CA 94080

EPA ID: CAR000221697
Contact: MICHAEL HERREN

Contact address: 7000 SHORELINE CT STE 100

SOUTH SAN FRANCISCO, CA 94080

Contact country: US

Contact telephone: 650-266-6000

Telephone ext.: 6023

Contact email: MICHAEL.HERREN@FLUIDIGM.COM

EPA Region: 09

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous

waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of

hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: FLUIDIGM CORP

Owner/operator address: 7000 SHORELINE CT STE 100

SOUTH SAN FRANCISCO, CA 94080

Owner/operator country: US

Owner/operator telephone: 650-266-6000
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 05/01/1999
Owner/Op end date: Not reported

Owner/operator name: FLUIDIGM CORP
Owner/operator address: Not reported
Not reported

Owner/operator country: US

Owner/operator telephone:
Legal status:
Owner/Operator Type:
Owner/Op start date:
Owner/Op end date:
Not reported
Private
Operator
Operator
Operator
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: No Treater, storer or disposer of HW: No Underground injection activity: No

Virection EDR ID Number

#### **FLUIDIGM CORPORATION (Continued)**

1014915692

**EPA ID Number** 

Database(s)

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: Nο Used oil transporter: No

Hazardous Waste Summary:

Waste code: 134 Waste name: 134 214 Waste code: Waste name: 214 Waste code: 221 Waste name: 221 Waste code: 343 Waste name: 343 Waste code: 352 Waste name: 352 Waste code: 551 Waste name: 551

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002

Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS

CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE

DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D004
Waste name: ARSENIC

Waste code: F003

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED

**EDR ID Number** 

#### **FLUIDIGM CORPORATION (Continued)**

1014915692

**EPA ID Number** 

Database(s)

SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

MIXTURES.

Violation Status: No violations found

**VERACYTE INC** RCRA-SQG 28 1014922516 7000 SHORELINE CT CAR000222919 **SOUTH SAN FRANCISCO, CA 94080** 

RCRA-SQG:

Date form received by agency: 09/23/2013 Facility name: VERACYTE INC Facility address: 7000 SHORELINE CT

STE 250

SOUTH SAN FRANCISCO, CA 94080

EPA ID: CAR000222919 Contact: ROBERT J MONROE

Contact address: 7000 SHORELINE CT STE 250

SOUTH SAN FRANCISCO, CA 94080

Contact country: US

Contact telephone: 650-243-6356

Contact email: ROB@VERACYTE.COM

EPA Region:

Small Small Quantity Generator Classification:

Description: Handler: generates more than 100 and less than 1000 kg of hazardous

> waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of

hazardous waste at any time

Owner/Operator Summary:

VERACYTE INC Owner/operator name: Owner/operator address: Not reported

Not reported

Owner/operator country: US

Owner/operator telephone: Not reported Legal status: Private Owner/Operator Type: Operator Owner/Op start date: 04/21/2008 Owner/Op end date: Not reported

Owner/operator name: ALEXANDRIA REAL ESTATE EQUITIES

Owner/operator address: 1700 OWENS ST STE 590 SAN FRANCISCO, CA 94158

Owner/operator country: US Owner/operator telephone: Not reported Private Legal status: Owner/Operator Type: Owner Owner/Op start date: 10/04/2004 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: No

Direction EDR ID Number

Distance (ft.)Site Database(s) EPA ID Number

## **VERACYTE INC (Continued)**

1014922516

Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: Nο Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: Nο Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: Nο

Historical Generators:

Date form received by agency: 12/05/2011
Site name: VERACYTE INC

Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: F003

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

MIXTURES.

Violation Status: No violations found

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#### 29 SHEARWATER DEVELOPMENT 400 OYSTER POINT BLVD. S SAN FRANCISCO, CA 94080

CA ENVIROSTOR S106982199 N/A

ENVIROSTOR:

Facility ID: 41330050
Status: Refer: RWQCB
Status Date: 09/30/1991
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

Distance (ft.)Site Database(s) EPA ID Number

## SHEARWATER DEVELOPMENT (Continued)

S106982199

**EDR ID Number** 

Division Branch: Cleanup Berkeley

Assembly: 22 Senate: 13

Special Program: Not reported

Restricted Use: NO

Site Mgmt Req: NONE SPECIFIED Funding: Not reported Latitude: 37.66547 Longitude: -122.3821 APN: 015010290 Past Use: NONE SPECIFIED

Potential COC: \* HYDROCARBON SOLVENTS Lead

Confirmed COC:
Potential Description:
Alias Name:
Alias Type:
Alias Name:
Alias Type:
Alias Type:
Alias Type:
Alias Type:
Alias Type:
Alias Name:
Alia

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Not reported Completed Sub Area Name: Not reported Completed Document Type: Not reported Comments: Not reported Not reported Comments: Not reported

Future Area Name: Not reported Future Sub Area Name: Not reported Not reported Future Document Type: Future Due Date: Not reported Schedule Area Name: Not reported Schedule Sub Area Name: Not reported Not reported Schedule Document Type: Not reported Schedule Due Date: Schedule Revised Date: Not reported

# 30 EDWARDS CO INDUSTRIAL WAY & OYSTER PT BLVD SOUTH SAN FRANCISCO, CA 94080

CERC-NFRAP 1003879294

CAD982358798

CERC-NFRAP:

Site ID: 0903142

Federal Facility: Not a Federal Facility NPL Status: Not on the NPL

Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID: 13285180.00000
Person ID: 13003854.00000

Contact Sequence ID: 13290775.00000
Person ID: 13003858.00000

Contact Sequence ID: 13296633.00000
Person ID: 13004003.00000

Direction EDR ID Number

**EDWARDS CO (Continued)** 

1003879294

1000857834

CAD983672825

**EPA ID Number** 

Database(s)

RCRA-SQG

**CERCLIS-NFRAP Assessment History:** 

Action: DISCOVERY

Date Started: //
Date Completed: 12/01/87
Priority Level: Not reported

Action: ARCHIVE SITE

Date Started: //
Date Completed: 12/14/88
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT

Date Started: / /

Date Completed: 12/14/88

Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

30 OYSTER POINT INTER AREA 2
OYSTER POINT BLVD US 101

SOUTH SAN FRANCISCO, CA 94080

RCRA-SQG:

Date form received by agency: 09/01/1996

Facility name: OYSTER POINT INTER AREA 2
Facility address: OYSTER POINT BLVD US 101

SOUTH SAN FRANCISCO, CA 94080

EPA ID: CAD983672825
Mailing address: OYSTER POINT BLVD

SOUTH SAN FRANCISCO, CA 94083

Contact: Not reported
Contact address: Not reported
Not reported

Contact country: Not reported
Contact telephone: Not reported
Contact email: Not reported

EPA Region: 09

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous

waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of

hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: CITY OF SOUTH SAN FRANCISCO

Owner/operator address: 400 GRAND AVE

SOUTH SAN FRANCISCO, CA 94080

Owner/operator country: Not reported
Owner/operator telephone: (415) 615-0177
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

Map ID
Direction
EDR ID Number
Distance

Distance (ft.)Site Database(s) EPA ID Number

#### **OYSTER POINT INTER AREA 2 (Continued)**

1000857834

Recycler of hazardous waste: No Transporter of hazardous waste: No 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: Nο 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

## 30 OYSTER POINT DUMP OYSTER POINT BLVD AT OYSTER POINT MARINA S SAN FRANCISCO, CA 94080

CA ENVIROSTOR 1000730188 N/A

**ENVIROSTOR:** 

Facility ID: 41490033
Status: Refer: RWQCB
Status Date: 08/01/1985
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: \* Site Char & Assess Grant (CERCLA 104)

Restricted Use: NO

Site Mgmt Req: NONE SPECIFIED Funding: Not reported

Latitude: 0
Longitude: 0

APN: NONE SPECIFIED Past Use: NONE SPECIFIED

Potential COC: \* HOUSEHOLD WASTES \* HYDROCARBON SOLVENTS \* ORGANIC LIQUIDS WITH

METALS \* ORGANIC MONOMER WASTE, INCLUDING UNREACTED RESINS \* OTHER ORGANIC SOLIDS \* OXYGENATED SOLVENTS \* Sludge - Paint \* UNSPECIFIED ACID SOLUTION \* UNSPECIFIED ALKALINE SOLUTIONS \* UNSPECIFIED SLUDGE WASTE \* UNSPECIFIED SOLVENT MIXTURES \* WASTE OIL & MIXED OIL \* FLY ASH, BOTTOM ASH & RETORT ASH \* LATEX WASTE \* POLYMERIC RESIN WASTE

Lead Chromium VI Cyanide (free

Confirmed COC: NONE SPECIFIED Potential Description: NONE SPECIFIED

Alias Name: OYSTER POINT MARINA

Alias Type: Alternate Name
Alias Name: CAD980636989

Alias Type: EPA Identification Number

Alias Name: CAD980636989

Alias Type: HWTS Identification Code

Map ID Direction Distance

Distance (ft.)Site Database(s) **EPA ID Number** 

## **OYSTER POINT DUMP (Continued)**

1000730188

**EDR ID Number** 

Alias Name: 41490033

**Envirostor ID Number** Alias Type:

Completed Info:

Completed Area Name: **PROJECT WIDE** Completed Sub Area Name: Not reported Completed Document Type: \* Discovery Completed Date: 08/01/1980

Comments: FACILITY IDENTIFIED ACTIVE SITE I.D.'D IND. OF DRIVE BY

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: \* Discovery Completed Date: 10/12/1983

Comments: FACILITY IDENTIFIED ID FROM ERRIS

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Site Screening Completed Date: 05/26/1987

SITE SCREENING DONE SITE IS ON EPA'S CERCLA FIT IS CONDUCTING SI Comments:

Future Area Name: Not reported Future Sub Area Name: Not reported Not reported Future Document Type: Not reported Future Due Date: Schedule Area Name: Not reported Not reported Schedule Sub Area Name: Schedule Document Type: Not reported Schedule Due Date: Not reported Schedule Revised Date: Not reported

#### **PENINSULA BATTERY CO** 30 1139 AIRPORT **SOUTH SAN FRANCISCO, CA 94080**

CA San Mateo Co. BI S113755961 N/A

San Mateo Co. BI:

Region: SAN MATEO Facility ID: FA0013835

Prog Element Code: STORES HAZ MAT <219GAL,1,999LB, 879FT3

Record Id: PR0024134

Description: STORES HAZ MAT <219GAL,1,999LB, 879CF

SAN MATEO Region: Facility ID: FA0045478

Prog Element Code: STORES HAZ MAT <219GAL,1,999LB, 879FT3

Record Id: PR0059472

Description: STORES HAZ MAT <219GAL,1,999LB, 879CF

Map ID
Direction
EDR ID Number

Distance (ft.)Site Database(s) EPA ID Number

30 SAN CARLOS AUTO WRECKERS CA HIST CORTESE S100225471 959 BAYSHORE N/A

SAN CARLOS, CA

Distance

HIST CORTESE:

Region: CORTESE
Facility County Code: 41
Reg By: LTNKA
Reg Id: 41-0466

31 RIGEL PHARMACEUTICALS INC CA San Mateo Co. BI S113757874
1180 VETERANS N/A

**SOUTH SAN FRANCISCO, CA 94080** 

San Mateo Co. BI:

 Region:
 SAN MATEO

 Facility ID:
 FA0027854

 Prog Element Code:
 2234

 Record Id:
 PR0045034

Description: GEN 26-50 TONS HAZ WASTE /YR - RCRA

Region: SAN MATEO Facility ID: FA0027854

Prog Element Code: STORES HAZ MAT <1,199GAL,9,999LB,4,799FT3

Record Id: PR0045033

Description: STORES HAZ MAT <1,199GAL,9,999LB,4,799CF

31 RIGEL PHARMACEUTICAL INC RCRA-LQG 1006805842 1180 VETERANS BLVD CAR000141978

1180 VETERANS BLVD SOUTH SAN FRANCISCO, CA 94080

RCRA-LQG:

Date form received by agency: 02/22/2010

Facility name: RIGEL PHARMACEUTICAL INC

Facility address: 1180 VETERANS BLVD

SOUTH SAN FRANCISCO, CA 940801985

EPA ID: CAR000141978
Mailing address: VETERAN BLVD

SOUTH SAN FRANCISCO, CA 940801985

Contact: ANDREA SUTHERLAND

Contact address: VETERANS BLVD

SOUTH SAN FRANCISCO, CA 94080

Contact country: Not reported
Contact telephone: (650) 400-2389

Contact email: ASUTHERLAND@RIGEL.COM

EPA Region: 09

Classification: Large Quantity Generator

Description: Handler: generates 1,000 kg or more of hazardous waste during any

calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than

Distance (ft.)Site Database(s) **EPA ID Number** 

## RIGEL PHARMACEUTICAL INC (Continued)

1006805842

**EDR ID Number** 

100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: BRITTANIA MANAGEMENT Owner/operator address: HARRISON ST STE 715 OAKLAND, CA 94612

Owner/operator country:

(510) 273-3186 Owner/operator telephone: Legal status: Private

Owner/Operator Type: Operator Owner/Op start date: 01/15/2003 Owner/Op end date: Not reported

Owner/operator name: CB RICHARD ELLIS, ASSET SERVICES

Owner/operator address: Not reported Not reported

Owner/operator country: US

Owner/operator telephone: Not reported Legal status: Private Owner/Operator Type: Operator

Owner/Op start date: 12/01/2007 Owner/Op end date: Not reported

BRITANNIA MANAGEMENT Owner/operator name: HARRISON ST STE 715 Owner/operator address: OAKLAND, CA 94612

Owner/operator country: US

Owner/operator telephone: (510) 273-3186 Private

Legal status:

Owner/Operator Type: Owner Owner/Op start date: 01/15/2003 Owner/Op end date: Not reported

CB RICHARD ELLIS, ASSET SERVICES Owner/operator name:

Owner/operator address: Not reported 90806

Owner/operator country: Not reported Owner/operator telephone: Not reported Legal status: Private Operator Owner/Operator Type: Owner/Op start date: 12/01/2007 Owner/Op end date: Not reported

Owner/operator name: HCP BTC LLC

Owner/operator address: KILROY AIRPORT WAY

LONG BEACH, CA 90806

Owner/operator country: Not reported Owner/operator telephone: (415) 772-0381

Private Legal status: Owner/Operator Type: Owner Owner/Op start date: 08/01/2007 Owner/Op end date: Not reported

HCP BTC LLC Owner/operator name:

3760 KILROY AIRPORT WAY Owner/operator address:

LONG BEACH, CA 90806

Owner/operator country: US

Map ID
Direction
Distance
Distance (ft )Sit

Distance (ft.)Site Database(s) EPA ID Number

## RIGEL PHARMACEUTICAL INC (Continued)

\_\_\_\_

**EDR ID Number** 

1006805842

Owner/operator telephone: Not reported Legal status: Private Owner/Operator Type: Owner Owner/Op start date: 08/01/2007 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: No 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

#### Historical Generators:

Date form received by agency: 04/30/2008

Site name: RIGEL PHARMACEUTICAL INC Classification: Large Quantity Generator

Date form received by agency: 04/04/2003

Site name: RIGEL PHARMACEUTICAL INC Classification: Small Quantity Generator

## Hazardous Waste Summary:

141 Waste code: Waste name: 141 Waste code: 212 Waste name: 212 Waste code: 331 Waste name: 331 Waste code: 343 Waste name: 343 Waste code: 352 Waste name: 352 Waste code: 551 Waste name: 551 725 Waste code: Waste name: 725 Waste code: 791 Waste name: 791

**EDR ID Number** 

**EPA ID Number** 

RIGEL PHARMACEUTICAL INC (Continued)

1006805842

Database(s)

Waste code: 801 801 Waste name:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002

A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS Waste name:

> CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D003

A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS Waste name:

NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE

OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

Waste code: D009 Waste name: **MERCURY** 

Waste code: D025 Waste name: P-CRESOL

Waste code: D038 **PYRIDINE** Waste name:

Waste code: F002

Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE,

METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE,

CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE,

ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND

1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND

SPENT SOLVENT MIXTURES.

Waste code: F003

THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL Waste name:

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL

rection EDR ID Number

## RIGEL PHARMACEUTICAL INC (Continued)

1006805842

**EPA ID Number** 

Database(s)

BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

MIXTURES.

Waste code: LABP
Waste name: LAB PACK

Waste code: P003 Waste name: ACROLEIN

Waste code: P014

Waste name: BENZENETHIOL

Waste code: P022

Waste name: CARBON DISULFIDE

Waste code: P023

Waste name: ACETALDEHYDE, CHLORO-

Waste code: P029

Waste name: COPPER CYANIDE

Waste code: P068

Waste name: HYDRAZINE, METHYL-

Waste code: P077

Waste name: BENZENAMINE, 4-NITRO-

Waste code: P087

Waste name: OSMIUM OXIDE OSO4, (T-4)-

Waste code: P098

Waste name: POTASSIUM CYANIDE

Waste code: P105

Waste name: SODIUM AZIDE

Waste code: P106

Waste name: SODIUM CYANIDE

Waste code: P121

Waste name: ZINC CYANIDE

Waste code: U006

Waste name: ACETYL CHLORIDE (C,R,T)

Waste code: U010

Waste name: AZIRINO[2',3':3,4]PYRROLO[1,2-A]INDOLE-4,7-DIONE,

6-AMINO-8-[[(AMINOCARBONYL)OXY]METHYL]-

1,1A,2,8,8A,8B-HEXAHYDRO-8A-METHOXY-5-METHYL-, [1AS-(1AALPHA,

8BETA,8AALPHA,8BALPHA)]-

Waste code: U031

Waste name: 1-BUTANOL (I)

Waste code: U045

Waste name: METHANE, CHLORO- (I, T)

Map ID
Direction
Distance
Distance (ft.)Site
Database(s)

RIGEL PHARMACEUTICAL INC (Continued)

1006805842

**EDR ID Number** 

**EPA ID Number** 

Waste code: U052

Waste name: CRESOL (CRESYLIC ACID)

Waste code: U103

Waste name: DIMETHYL SULFATE

Waste code: U123

Waste name: FORMIC ACID (C,T)

Waste code: U133

Waste name: HYDRAZINE (R,T)

Waste code: U138

Waste name: METHANE, IODO-

Waste code: U156

Waste name: CARBONOCHLORIDIC ACID, METHYL ESTER (I,T)

Waste code: U170

Waste name: P-NITROPHENOL

Waste code: U188
Waste name: PHENOL

Waste code: U190

Waste name: 1,3-ISOBENZOFURANDIONE

Waste code: U196 Waste name: PYRIDINE

Waste code: U201

Waste name: 1,3-BENZENEDIOL

Waste code: U328

Waste name: BENZENAMINE, 2-METHYL-

Waste code: U353

Waste name: BENZENAMINE, 4-METHYL-

Waste code: U404

Waste name: ETHANAMINE, N,N-DIETHYL- (OR) TRIETHYLAMINE

Waste code: D000
Waste name: Not Defined

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002

Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS

CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A

Virection EDR ID Number

## RIGEL PHARMACEUTICAL INC (Continued)

1006805842

**EPA ID Number** 

Database(s)

CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D003

Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS

NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE

OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

Waste code: D011 Waste name: SILVER

Waste code: F003

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

 ${\tt ACETATE, ETHYL \, BENZENE, ETHYL \, ETHER, \, METHYL \, ISOBUTYL \, KETONE, \, N-BUTYL}$ 

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

MIXTURES.

Waste code: F005

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002

Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS

CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE

DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D003

Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS

**EDR ID Number** 

#### RIGEL PHARMACEUTICAL INC (Continued)

1006805842

**EPA ID Number** 

Database(s)

NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE

OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

Waste code: F002

Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE,

METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE,

CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND

1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND

SPENT SOLVENT MIXTURES.

Waste code: F003

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

MIXTURES.

Violation Status: No violations found

31 SSF SEWAGE PUMP STATION #14 1191 VETERANS

SOUTH SAN FRANCISCO, CA 94080

CA San Mateo Co. BI S113757505

N/A

San Mateo Co. BI:

Region: SAN MATEO Facility ID: FA0026452

Prog Element Code: GENERATES <27 GAL/YEAR

Record Id: PR0048052

Description: GENERATES <27 GAL/YEAR

Region: SAN MATEO Facility ID: FA0026452

Prog Element Code: STORES HAZ MAT <219GAL,1,999LB, 879FT3

Record Id: PR0038344

Description: STORES HAZ MAT <219GAL,1,999LB, 879CF

32 WILDBERG BROTHERS (BOLIDEN METECH) 349 OYSTER POINT BLVD **SOUTH SAN FRANCISCO, CA 94080** 

**FINDS** 1000185050 **CA HIST CORTESE** N/A **CA LUST CA VCP** 

**CA ENVIROSTOR** 

FINDS:

Registry ID: 110002635060

Distance
Distance (ft.)Site
Database(s) EPA ID Number

#### WILDBERG BROTHERS (BOLIDEN METECH) (Continued)

1000185050

**EDR ID Number** 

Environmental Interest/Information System

California Department of Toxic Substances Control EnviroStor System (DTSC-EnviroStor) is an online search and Geographic Information System (GIS) tool for identifying sites that have known contamination or sites for which there may be reasons to investigate further. 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.

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.

HIST CORTESE:

Region: CORTESE
Facility County Code: 41
Reg By: LTNKA
Reg Id: 41-1115

LUST:

 Region:
 STATE

 Global Id:
 T0608114784

 Latitude:
 37.662618

 Longitude:
 -122.386005

 Case Type:
 LUST Cleanup Site

 Status:
 Completed - Case Closed

Status Date: 07/17/2001

Lead Agency: SAN MATEO COUNTY LOP

Case Worker: JM

Local Agency: SAN MATEO COUNTY LOP

RB Case Number: 41-1115 LOC Case Number: 559014

File Location: Local Agency Warehouse

Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0608114784

Contact Type: Local Agency Caseworker Contact Name: JACOB MADDEN

Organization Name: SAN MATEO COUNTY LOP
Address: 2000 ALAMEDA DE LAS PULGAS

City: SAN MATEO Email: jmadden@smcgov.org

Phone Number: 6503726298

Global Id: T0608114784

Contact Type: Regional Board Caseworker

Contact Name: UUU

vistance
vistance (ft.)Site
Database(s) EPA ID Number

## WILDBERG BROTHERS (BOLIDEN METECH) (Continued)

1000185050

**EDR ID Number** 

Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)

Address: 1515 CLAY ST SUITE 1400

City: OAKLAND
Email: Not reported
Phone Number: Not reported

Status History:

Global Id: T0608114784

Status: Completed - Case Closed

Status Date: 07/17/2001

Global Id: T0608114784

Status: Open - Case Begin Date

Status Date: 10/08/1997

Regulatory Activities:

 Global Id:
 T0608114784

 Action Type:
 REMEDIATION

 Date:
 01/01/1950

 Action:
 Not reported

 Global Id:
 T0608114784

 Action Type:
 Other

 Date:
 01/01/1950

 Action:
 Leak Reported

SAN MATEO CO. LUST:

Region: SAN MATEO Facility ID: 559014

Facility Status: 9- Case Closed Global ID: T0608114784 APN Number: Not reported

Case Type: SAN MATEO CO. LUST EDR Link ID: SAN MATEO CO. LUST

VCP:

Facility ID: 41330049
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED

Acres: 5.5
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP

Lead Agency Description: DTSC - Site Cleanup Program

Project Manager: Not reported
Supervisor: Karen Toth
Division Branch: Cleanup Berkeley

 Site Code:
 200109

 Assembly:
 22

 Senate:
 13

Special Programs Code: Voluntary Cleanup Program

Status: Certified Status Date: 11/30/1987

Distance (ft.)Site Database(s) **EPA ID Number** 

# WILDBERG BROTHERS (BOLIDEN METECH) (Continued)

1000185050

**EDR ID Number** 

Restricted Use: NO

Responsible Party Funding: 37.66332 / -122.3870 Lat/Long:

APN: 015010500

Past Use: MANUFACTURING - METAL Potential COC: 30001, 30013, 30058, 30357, 30407 Confirmed COC: 30058,30357,30407,30001,30013

Potential Description: SOIL

Alias Name: **BOLIDEN-METECH INC** 

Alias Type: Alternate Name Alias Name: **HEALY TIBBITS** Alias Type: Alternate Name

REFINEMENT, BOLIDEN-METECH Alias Name:

Alias Type: Alternate Name

Alias Name: WILDBERG BROTHERS

Alias Type: Alternate Name 015010500 Alias Name: Alias Type: APN

Alias Name: CAD009118365

Alias Type: **EPA Identification Number** 

Alias Name: 110002635060 Alias Type: EPA (FRS#) Alias Name: P21068 Alias Type: **PCode** Alias Name: 200109

Alias Type: Project Code (Site Code)

Alias Name: 41330049

Alias Type: **Envirostor ID Number** 

Completed Info:

PROJECT WIDE Completed Area Name: Completed Sub Area Name: Not reported

Completed Document Type: No Further Action Letter

Completed Date: 11/28/1995 Comments: Not reported

PROJECT WIDE Completed Area Name: Completed Sub Area Name: Not reported

Completed Document Type: Voluntary Cleanup Agreement

Completed Date: 11/22/1995 Signed VCA. Comments:

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Certification Completed Date: 11/30/1987 Comments: Certified Site.

**PROJECT WIDE** Completed Area Name: Completed Sub Area Name: Not reported Completed Document Type: \* Discovery Completed Date: 12/01/1980

Comments: Site Discovery. Facility was identified from a site drive-by.

PROJECT WIDE Completed Area Name: Completed Sub Area Name: Not reported

Completed Document Type: 5 Year Review Reports

Completed Date: 11/28/1995

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

## WILDBERG BROTHERS (BOLIDEN METECH) (Continued)

1000185050

**EDR ID Number** 

Comments: 5YEAR - Completed Five-Year Review. 1987 remedial action provided

effective cleanup, and No Further Action will be required at the Site.

Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Preliminary Endangerment Assessment Report

Completed Date: 11/27/1995

Comments: Completed PEA. No Further Action was required.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Removal Action Completion Report

Completed Date: 10/11/1995

Comments: Completed RA. Ten cubic yards of lead contaminated soil was removed

and disposed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Completed Document Type: Remedial Action Plan

Completed Date: 08/30/1987 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Remedial Action Completion Report

Completed Date: 08/30/1987

Comments: FRA - Completed Final Remedial Action. Remediation was completed for

lagoon/pond, Building 9 UST area, slag pile area, treatment area, and metal storage area. In 1986 Boliden Metech completed remedial action at the known areas of contamination at the Wildberg Brothers site, and submitted confirmation samples to DHS. In July 1987, DHS took post cleanup verification samples of the known areas of contamination on the Wildberg Brothers Site, with the exception of the lagoon overflow area on the Healy-Tibbitts Site. Healy-Tibbitts had by that time been completely covered over by the construction of a commercial

business park.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 01/27/1987

Comments: Completed Site Screening. The hazard has been mitigated. The heavy

metal contamination at the Site has been cleaned up.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Remedial Investigation / Feasibility Study

Completed Date: 11/30/1986

Comments: RI/FS - Completed RIFS. Ecology and Environment (E&E) prepared a

site assessment for the Healy-Tibbitts Site for the U.S.

Environmental Protection Agency, for the federal Superfund program, and concluded No Further Action was required at the Heal-Tibbitts Site. The Healy-Tibbitts investigation led to the investigation of the Wildberg Brothers site as a potential hazardous waste site. The following areas of the Wildberg facility were identified as areas of potential contamination: The lagoon/pond area, an underground tank

Map ID Direction Distance Distance (ft.)Site

vistance

# WILDBERG BROTHERS (BOLIDEN METECH) (Continued)

1000185050

Database(s)

**EDR ID Number** 

**EPA ID Number** 

area, near Building 9, a slag pile located between Buildings 9 and 12, the Copper Treatment Building, Building 14, and the metal storage area near the south boundary fence.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/11/1982

Comments: Geotechnical Report

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Site Characterization Report

Completed Date: 07/20/1982

Comments: Preliminary results indicate elevated metals

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Preliminary Endangerment Assessment Report

Completed Date: 07/19/1988

Comments: Documents elevated levels of metals

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Site Characterization Report

Completed Date: 07/24/1987

Comments: Site Insoection to verify post cleanup samples

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Site Characterization Report

Completed Date: 03/01/1989

Comments: Soil and groundwater contamination confirmed

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Site Characterization Report

Completed Date: 09/30/1987

Comments: Confirmed soil contamination at the site

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan

Completed Date: 03/28/1996

Comments: Closure Plan for hazardous materials at the site

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Site Characterization Report

Completed Date: 08/25/1995

Comments: Further action required at soil hot spots

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

Distance (ft.)Site Database(s) EPA ID Number

# WILDBERG BROTHERS (BOLIDEN METECH) (Continued)

1000185050

**EDR ID Number** 

Schedule Sub Area Name: Not reported Schedule Document Type: Not reported Schedule Due Date: Not reported Schedule Revised Date: Not reported

**ENVIROSTOR:** 

 Facility ID:
 41330049

 Status:
 Certified

 Status Date:
 11/30/1987

 Site Code:
 200109

Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup

Acres: 5.5
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Karen Toth
Division Branch: Cleanup Berkeley

Assembly: 22 Senate: 13

Special Program: Voluntary Cleanup Program

Restricted Use: NO

Site Mgmt Req: NONE SPECIFIED Funding: Responsible Party

Latitude: 37.66332 Longitude: -122.3870 APN: 015010500

Past Use: MANUFACTURING - METAL

Potential COC: Arsenic Lead Antimony and compounds Mercury and compounds Nickel Confirmed COC: Antimony and compounds Mercury and compounds Nickel Arsenic Lead

Potential Description: SOIL

Alias Name: BOLIDEN-METECH INC

Alias Type: Alternate Name
Alias Name: HEALY TIBBITS
Alias Type: Alternate Name

Alias Name: REFINEMENT, BOLIDEN-METECH

Alias Type: Alternate Name

Alias Name: WILDBERG BROTHERS

Alias Type: Alternate Name
Alias Name: 015010500
Alias Type: APN

Alias Name: CAD009118365

Alias Type: EPA Identification Number

 Alias Name:
 110002635060

 Alias Type:
 EPA (FRS #)

 Alias Name:
 P21068

 Alias Type:
 PCode

 Alias Name:
 200109

Alias Type: Project Code (Site Code)

Alias Name: 41330049

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: No Further Action Letter

Map ID
Direction
Distance

Distance (ft.)Site Database(s) EPA ID Number

## WILDBERG BROTHERS (BOLIDEN METECH) (Continued)

1000185050

**EDR ID Number** 

Completed Date: 11/28/1995 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Voluntary Cleanup Agreement

Completed Date: 11/22/1995 Comments: Signed VCA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
11/30/1987
Comments: Certified Site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: \* Discovery
Completed Date: 12/01/1980

Comments: Site Discovery. Facility was identified from a site drive-by.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: 5 Year Review Reports

Completed Date: 11/28/1995

Comments: 5YEAR - Completed Five-Year Review. 1987 remedial action provided effective cleanup, and No Further Action will be required at the Site.

Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Preliminary Endangerment Assessment Report

Completed Date: 11/27/1995

Comments: Completed PEA. No Further Action was required.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Removal Action Completion Report

Completed Date: 10/11/1995

Comments: Completed RA. Ten cubic yards of lead contaminated soil was removed

and disposed.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Remedial Action Plan

Completed Date: 08/30/1987 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Remedial Action Completion Report

Completed Date: 08/30/1987

Comments: FRA - Completed Final Remedial Action. Remediation was completed for

lagoon/pond, Building 9 UST area, slag pile area, treatment area, and metal storage area. In 1986 Boliden Metech completed remedial action at the known areas of contamination at the Wildberg Brothers site, and submitted confirmation samples to DHS. In July 1987, DHS took

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

## WILDBERG BROTHERS (BOLIDEN METECH) (Continued)

1000185050

**EDR ID Number** 

post cleanup verification samples of the known areas of contamination on the Wildberg Brothers Site, with the exception of the lagoon overflow area on the Healy-Tibbitts Site. Healy-Tibbitts had by that time been completely covered over by the construction of a commercial business park.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 01/27/1987

Comments: Completed Site Screening. The hazard has been mitigated. The heavy

metal contamination at the Site has been cleaned up.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Remedial Investigation / Feasibility Study

Completed Date: 11/30/1986

Comments: RI/FS - Completed RIFS. Ecology and Environment (E&E) prepared a

site assessment for the Healy-Tibbitts Site for the U.S.

Environmental Protection Agency, for the federal Superfund program, and concluded No Further Action was required at the Heal-Tibbitts Site. The Healy-Tibbitts investigation led to the investigation of the Wildberg Brothers site as a potential hazardous waste site. The following areas of the Wildberg facility were identified as areas of potential contamination: The lagoon/pond area, an underground tank area, near Building 9, a slag pile located between Buildings 9 and 12, the Copper Treatment Building, Building 14, and the metal storage

area near the south boundary fence.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/11/1982

Comments: Geotechnical Report

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Site Characterization Report

Completed Date: 07/20/1982

Comments: Preliminary results indicate elevated metals

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Preliminary Endangerment Assessment Report

Completed Date: 07/19/1988

Comments: Documents elevated levels of metals

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Site Characterization Report

Completed Date: 07/24/1987

Comments: Site Insoection to verify post cleanup samples

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Site Characterization Report

Completed Date: 03/01/1989

rection EDR ID Number

# WILDBERG BROTHERS (BOLIDEN METECH) (Continued)

1000185050

**EPA ID Number** 

Database(s)

Comments: Soil and groundwater contamination confirmed

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Site Characterization Report

Completed Date: 09/30/1987

Comments: Confirmed soil contamination at the site

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan

Completed Date: 03/28/1996

Comments: Closure Plan for hazardous materials at the site

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Site Characterization Report

Completed Date: 08/25/1995

Comments: Further action required at soil hot spots

Future Area Name: Not reported Future Sub Area Name: Not reported Not reported Future Document Type: 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

33 DI SALVO TRUCKING 335 OYSTER POINT S SAN FRANCISCO, CA 94080 CA LUST S105073397 CA San Mateo Co. BI N/A

LUST:

 Region:
 STATE

 Global Id:
 T0608100184

 Latitude:
 37.663263855

 Longitude:
 -122.390525

 Case Type:
 LUST Cleanup Site

 Status:
 Completed - Case Closed

Status Date: 05/15/2007

Lead Agency: SAN MATEO COUNTY LOP

Case Worker: JM

Local Agency: SAN MATEO COUNTY LOP

RB Case Number: 41-0193 LOC Case Number: 550100

File Location: Local Agency Warehouse

Potential Media Affect: Other Groundwater (uses other than drinking water)

Potential Contaminants of Concern: Diesel Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0608100184

Contact Type: Local Agency Caseworker Contact Name: JACOB MADDEN

Distance (ft.)Site Database(s) EPA ID Number

DI SALVO TRUCKING (Continued)

S105073397

**EDR ID Number** 

Organization Name: SAN MATEO COUNTY LOP
Address: 2000 ALAMEDA DE LAS PULGAS

City: SAN MATEO Email: jmadden@smcgov.org

Phone Number: 6503726298

Global Id: T0608100184

Contact Type: Regional Board Caseworker

Contact Name: UUL

Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)

Address: 1515 CLAY ST SUITE 1400

City: OAKLAND
Email: Not reported
Phone Number: Not reported

Status History:

Global Id: T0608100184

Status: Open - Verification Monitoring

Status Date: 05/01/1986

Global Id: T0608100184

Status: Completed - Case Closed

Status Date: 05/15/2007

Global Id: T0608100184

Status: Open - Case Begin Date

Status Date: 05/01/1986

Regulatory Activities:

 Global Id:
 T0608100184

 Action Type:
 RESPONSE

 Date:
 06/27/2004

 Action:
 Unknown

 Global Id:
 T0608100184

 Action Type:
 RESPONSE

 Date:
 11/29/2006

Action: Other Report / Document

 Global Id:
 T0608100184

 Action Type:
 RESPONSE

 Date:
 09/09/9999

Action: Other Report / Document

 Global Id:
 T0608100184

 Action Type:
 ENFORCEMENT

 Date:
 05/15/2007

Action: Closure/No Further Action Letter - #20070515

 Global Id:
 T0608100184

 Action Type:
 ENFORCEMENT

 Date:
 01/27/2004

Action: Staff Letter - #20040127B

Global Id: T0608100184
Action Type: ENFORCEMENT

Distance (ft.)Site Database(s) **EPA ID Number** 

# **DI SALVO TRUCKING (Continued)**

S105073397

**EDR ID Number** 

Date: 01/08/2002

Staff Letter - #20020108 Action:

Global Id: T0608100184 Action Type: **ENFORCEMENT** Date: 09/23/1992

Action: Notice of Responsibility - #1

Global Id: T0608100184 **ENFORCEMENT** Action Type: Date: 09/06/2006

Staff Letter - #20060906 Action:

Global Id: T0608100184 Action Type: **ENFORCEMENT** Date: 01/27/2004

Action: Staff Letter - #20040127A

Global Id: T0608100184 Action Type: Other Date: 01/01/1950 Action: Leak Discovery

Global Id: T0608100184 Action Type: RESPONSE Date: 11/15/2003

Monitoring Report - Quarterly Action:

T0608100184 Global Id: Action Type: Other 01/01/1950 Date: Leak Reported Action:

# LUST REG 2:

Region:

Facility Id: Not reported

Facility Status: Post remedial action monitoring

Case Number: 550100 How Discovered: OM Leak Cause: Unknown Leak Source: Unknown Date Leak Confirmed: Not reported

Oversight Program: LUST

Prelim. Site Assesment Wokplan Submitted: Not reported Preliminary Site Assesment Began: Not reported Pollution Characterization Began: Not reported Pollution Remediation Plan Submitted: Not reported Not reported Date Remediation Action Underway: Date Post Remedial Action Monitoring Began: 1/1/1965

# SAN MATEO CO. LUST:

Region: SAN MATEO 550100 Facility ID: Facility Status: 9- Case Closed Global ID: T0608100184

Distance (ft.)Site Database(s) EPA ID Number

**DI SALVO TRUCKING (Continued)** 

S105073397

CA SLIC S106981447

N/A

**EDR ID Number** 

APN Number: Not reported

Case Type: SAN MATEO CO. LUST EDR Link ID: SAN MATEO CO. LUST

San Mateo Co. BI:

Region: SAN MATEO Facility ID: FA0017730

Prog Element Code: UNDERGROUND TANK - GENERAL

Record Id: PR0022615

Description: UNDERGROUND TANK - GENERAL

33 333 OYSTER POINT 333 OYSTER POINT BOULEVARD SOUTH SAN FRANCISCO, CA 94080

SLIC:

Region: STATE

Facility Status: Open - Verification Monitoring

 Status Date:
 09/20/2007

 Global Id:
 SL0608189416

Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)

Lead Agency Case Number: Not reported 37.663809
Longitude: -122.389352

Case Type: Cleanup Program Site

Case Worker: RI

Local Agency: Not reported RB Case Number: 41S0172 File Location: Regional Board

Potential Media Affected: Indoor Air, Soil, Soil Vapor

Potential Contaminants of Concern: Chromium, Lead, Diesel, Gasoline, Radioactive Isotopes

Site History: Not reported

Click here to access the California GeoTracker records for this facility:

34 INSTANT PRINTING 1027 AIRPORT

SOUTH SAN FRANCISCO, CA 94080

San Mateo Co. BI:

Region: SAN MATEO Facility ID: FA0027799

Prog Element Code: GENERATES <27 GAL/YEAR

Record Id: PR0044901

Description: GENERATES <27 GAL/YEAR

CA San Mateo Co. BI S113757855

N/A

irection EDR ID Number

5 FEDERAL EXPRESS CA LUST S102269366

35 FEDERAL EXPRESS 900 GATEWAY S SAN FRANCISCO, CA 94080

LUST REG 2:

Region:

Facility Id: Not reported

Facility Status: Post remedial action monitoring

Case Number: 550145
How Discovered: OM
Leak Cause: Unknown
Leak Source: Unknown
Date Leak Confirmed: Not reported
Oversight Program: LUST

Prelim. Site Assesment Wokplan Submitted:
Preliminary Site Assesment Began:
Pollution Characterization Began:
Pollution Remediation Plan Submitted:
Date Remediation Action Underway:
Not reported

San Mateo Co. BI:

Region: SAN MATEO Facility ID: FA0006383

Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT

Record Id: PR0023723

Description: GENERATES & RECYCLES WASTE OIL/SOLVENT

Region: SAN MATEO Facility ID: FA0006383

Prog Element Code: STORES HAZ MAT <3,499GAL,27,999LB,13,999FT3

Record Id: PR0004397

Description: STORES HAZ MAT <3,499GAL,27,999LB,13,999CF

Region: SAN MATEO Facility ID: FA0006383

Prog Élement Code: UNDERGROUND TANK - GENERAL

Record Id: PR0022669

Description: UNDERGROUND TANK - GENERAL

35 FED EX 900 GATEWAY BLVD SOUTH SAN FRANCISCO, CA 94080 CA NPDES \$103675500
CA WDS N/A
CA HIST CORTESE
CA LUST

Database(s)

CA San Mateo Co. BI

**EPA ID Number** 

N/A

NPDES:

Npdes Number: CAS000001 Facility Status: Active Agency Id: 0 Region: 2 Regulatory Measure Id: 182882 Order No: 97-03-DWQ Regulatory Measure Type: Enrollee Place Id: Not reported WDID: 2 411005987 Industrial Program Type: Adoption Date Of Regulatory Measure: Not reported Effective Date Of Regulatory Measure: 04/17/1992 Expiration Date Of Regulatory Measure: Not reported

Distance (ft.)Site Database(s) EPA ID Number

FED EX (Continued) S103675500

Termination Date Of Regulatory Measure: Not reported Discharge Name: Fed Ex

Discharge Address: 900 Gateway Blvd
Discharge City: South San Francisco

Discharge State: California
Discharge Zip: 94080

CA WDS:

Facility ID: San Francisco Bay 411005987

Facility Type: Not reported

Facility Status: Active - Any facility with a continuous or seasonal discharge that is

under Waste Discharge Requirements.

NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7

are assigned by the Regional Board

Subregion: 2

Facility Telephone: Not reported Facility Contact: Not reported

Agency Name: FEDERAL EXPRESS

Agency Address: Not reported

Agency City, St, Zip: 0

Agency Contact: Not reported
Agency Telephone: Not reported
Agency Type: Not reported

SIC Code: 0

SIC Code 2: Not reported Primary Waste Type: Not reported Primary Waste: Not reported Waste Type2: Not reported Waste2: Not reported Primary Waste Type: Not reported Secondary Waste Type: Not reported Secondary Waste Type: Not reported

Design Flow: 0
Baseline Flow: 0

Reclamation: Not reported POTW: Not reported

Treat To Water: Minor Threat to Water Quality. A violation of a regional board order

should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to

represent no threat to water quality.

Complexity: Category C - Facilities having no waste treatment systems, such as

cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as

dairy waste ponds.

HIST CORTESE:

Region: CORTESE
Facility County Code: 41
Reg By: LTNKA
Reg Id: 41-0930

Distance (ft.)Site Database(s) **EPA ID Number** 

FED EX (Continued) S103675500

LUST:

STATE Region: Global Id: T0608100856 Latitude: 37.6609679 Longitude: -122.393063 **LUST Cleanup Site** Case Type: Completed - Case Closed Status:

12/01/2004 Status Date:

Lead Agency: SAN MATEO COUNTY LOP

Case Worker: JM

Local Agency: SAN MATEO COUNTY LOP

RB Case Number: 41-0930 LOC Case Number: 550145

File Location: Local Agency Warehouse

Potential Media Affect: Other Groundwater (uses other than drinking water)

Potential Contaminants of Concern: Gasoline Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0608100856

Contact Type: Regional Board Caseworker

Contact Name: UUU

SAN FRANCISCO BAY RWQCB (REGION 2) Organization Name:

Address: 1515 CLAY ST SUITE 1400

City: **OAKLAND** Email: Not reported Phone Number: Not reported

T0608100856 Global Id:

Contact Type: Local Agency Caseworker Contact Name: JACOB MADDEN

Organization Name: SAN MATEO COUNTY LOP Address: 2000 ALAMEDA DE LAS PULGAS

City: SAN MATEO Email: imadden@smcgov.org

Phone Number: 6503726298

Status History:

Global Id: T0608100856

Status: Open - Verification Monitoring

Status Date: 10/13/1995

Global Id: T0608100856

Status: Completed - Case Closed

Status Date: 12/01/2004

Global Id: T0608100856

Status: Open - Case Begin Date

Status Date: 10/13/1995

Regulatory Activities:

Global Id: T0608100856 Action Type: **RESPONSE** Date: 12/15/2003

Distance (ft.)Site Database(s) EPA ID Number

FED EX (Continued) S103675500

Action: Unknown

 Global Id:
 T0608100856

 Action Type:
 RESPONSE

 Date:
 09/06/2003

Action: Request for Closure

 Global Id:
 T0608100856

 Action Type:
 RESPONSE

 Date:
 03/12/2004

 Action:
 Request for Closure

 Global Id:
 T0608100856

 Action Type:
 ENFORCEMENT

 Date:
 11/16/1995

Action: Notice of Responsibility - #1

 Global Id:
 T0608100856

 Action Type:
 ENFORCEMENT

 Date:
 01/04/2004

Action: Closure/No Further Action Letter - #20041201

 Global Id:
 T0608100856

 Action Type:
 ENFORCEMENT

 Date:
 03/12/2003

Action: Staff Letter - #20030312

 Global Id:
 T0608100856

 Action Type:
 ENFORCEMENT

 Date:
 09/15/2003

Action: Staff Letter - #20030915

 Global Id:
 T0608100856

 Action Type:
 Other

 Date:
 01/01/1950

 Action:
 Leak Reported

SAN MATEO CO. LUST:

Region: SAN MATEO
Facility ID: 550145
Facility Status: 9- Case Closed
Global ID: T0608100856
APN Number: Not reported

Case Type: SAN MATEO CO. LUST EDR Link ID: SAN MATEO CO. LUST

35 THERAVANCE CA San Mateo Co. BI S113759055 901-951 GATEWAY N/A SOUTH SAN FRANCISCO, CA 94080

San Mateo Co. BI:

Region: SAN MATEO
Facility ID: FA0026090
Prog Element Code: 2234
Record Id: PR0037610

Description: GEN 26-50 TONS HAZ WASTE /YR - RCRA

Map ID
Direction
EDR ID Number
Distance

Distance (ft.)Site Database(s) EPA ID Number

#### THERAVANCE (Continued)

S113759055

Region: SAN MATEO Facility ID: FA0026090

Prog Element Code: STORES HAZ MAT <6999 GAL, 55999 LB, 2799FT^3

Record Id: PR0037611

Description: STORES HAZ MAT <6999 GAL, 55999 LB, 2799CF

Region: SAN MATEO Facility ID: FA0051835

Prog Element Code: STORES MV FUELS OR WASTE ONLY

Record Id: PR0071852

Description: STORES MV FUELS OR WASTE ONLY

# 35 THERAVANCE, INC 901 GATEWAY BLVD SOUTH SAN FRANCISCO, CA 94080

RCRA-LQG 1001959766 FINDS CAR000063826

#### RCRA-LQG:

Date form received by agency: 03/21/2012

Facility name: THERAVANCE, INC Facility address: 901 GATEWAY BLVD

SOUTH SAN FRANCISCO, CA 94080

EPA ID: CAR000063826
Mailing address: GATEWAY BLVD

SOUTH SAN FRANCISCO, CA 94080

Contact: MATTHEW LAWLER
Contact address: GATEWAY BLVD

SOUTH SAN FRANCISCO, CA 94080

Contact country: Not reported Contact telephone: (650) 808-6125

Contact email: MLAWLER@THERAVANCE.COM

EPA Region: 09 Land type: Private

Classification: Large Quantity Generator

Description: Handler: generates 1,000 kg or more of hazardous waste during any

calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than

100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: ALEXANDRIA REAL ESTATE EQUITIES,INC

Owner/operator address: 2929 CAMPUS DRIVE, SUITE 400A

SAN MATEO, CA 94403

Owner/operator country: US

Owner/operator telephone: Not reported Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 04/24/2002
Owner/Op end date: Not reported

Distance (ft.)Site Database(s) EPA ID Number

# THERAVANCE, INC (Continued)

1001959766

**EDR ID Number** 

Owner/operator name: ALEXANDRIA PROPERTIES
Owner/operator address: OWENS STREET, SUITE # 500

SAN FRANCISCO, CA 94158

Owner/operator country: US

Owner/operator telephone: (415) 554-8844

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 04/02/2002
Owner/Op end date: Not reported

Owner/operator name: THERAVANCE,INC Owner/operator address: GATEWAY BLVD

SOUTH SAN FRANCISCO, CA 94080

Owner/operator country: US

Owner/operator telephone: 6508086000 6125

Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 02/07/2000
Owner/Op end date: Not reported

Owner/operator name: THERAVANCE, INC

Owner/operator address: Not reported Not reported

Owner/operator country: US

Owner/operator telephone: Not reported Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 02/07/2000
Owner/Op end date: Not reported

## Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): Yes Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: Nο 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

# Historical Generators:

Date form received by agency: 02/08/2010

Site name: THERAVANCE,INC
Classification: Large Quantity Generator

Date form received by agency: 02/25/2008

Site name: THERAVANCE,INC
Classification: Large Quantity Generator

Distance (ft.)Site Database(s) EPA ID Number

## THERAVANCE, INC (Continued)

1001959766

**EDR ID Number** 

Date form received by agency: 02/24/2006

Site name: THERAVANCE,INC
Classification: Large Quantity Generator

Date form received by agency: 02/26/2004

Site name: THERAVANCE, INC
Classification: Large Quantity Generator

Date form received by agency: 05/21/2002

Site name: THERAVANCE INC
Classification: Large Quantity Generator

Date form received by agency: 02/28/2002

Site name: ADVANCED MEDICINE INC. Classification: Large Quantity Generator

Hazardous Waste Summary:

Waste code: 132 Waste name: 132

Waste code: 141 Waste name: 141

Waste code: 181 Waste name: 181

Waste code: 214
Waste name: 214

Waste code: 331 Waste name: 331

Waste code: 351 Waste name: 351

Waste code: 551 Waste name: 551

Waste code: 711 Waste name: 711

Waste code: 741 Waste name: 741

Waste code: 791 Waste name: 791

Waste code: 792 Waste name: 792

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

EDR ID Number

Database(s) EPA ID Number

## THERAVANCE, INC (Continued)

1001959766

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002

Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS

CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D003

Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS

NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE

OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

Waste code: D004
Waste name: ARSENIC

Waste code: D005 Waste name: BARIUM

Waste code: D007
Waste name: CHROMIUM

Waste code: D009
Waste name: MERCURY

Waste code: D011
Waste name: SILVER

Waste code: D018
Waste name: BENZENE

Waste code: D022

Waste name: CHLOROFORM

Waste code: D038
Waste name: PYRIDINE

Waste code: F001

Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING:

TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED

FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE

SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F002

Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE,

METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE,

CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND

Map ID Direction Distance Distance (ft.)Site

irection EDR ID Number

# THERAVANCE, INC (Continued)

1001959766

**EPA ID Number** 

Database(s)

1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F003

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

MIXTURES.

Waste code: F005

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: P008

Waste name: 4-AMINOPYRIDINE

Waste code: P010

Waste name: ARSENIC ACID H3ASO4

Waste code: P022

Waste name: CARBON DISULFIDE

Waste code: P030

Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

Waste code: P101

Waste name: ETHYL CYANIDE

Waste code: P105

Waste name: SODIUM AZIDE

Waste code: U001

Waste name: ACETALDEHYDE (I)

Waste code: U002 Waste name: ACETONE (I)

Waste code: U003

Waste name: ACETONITRILE (I,T)

Waste code: U007

Waste name: ACRYLAMIDE

Distance (ft.)Site Database(s) EPA ID Number

THERAVANCE, INC (Continued)

1001959766

**EDR ID Number** 

Waste code: U008

Waste name: ACRYLIC ACID (I)

Waste code: U019

Waste name: BENZENE (I,T)

Waste code: U031

Waste name: 1-BUTANOL (I)

Waste code: U037

Waste name: BENZENE, CHLORO-

Waste code: U044

Waste name: CHLOROFORM

Waste code: U046

Waste name: CHLOROMETHYL METHYL ETHER

Waste code: U077

Waste name: ETHANE, 1,2-DICHLORO-

Waste code: U113

Waste name: ETHYL ACRYLATE (I)

Waste code: U117

Waste name: ETHANE, 1,1'-OXYBIS-(I)

Waste code: U122

Waste name: FORMALDEHYDE

Waste code: U123

Waste name: FORMIC ACID (C,T)

Waste code: U133

Waste name: HYDRAZINE (R,T)

Waste code: U154

Waste name: METHANOL (I)

Waste code: U156

Waste name: CARBONOCHLORIDIC ACID, METHYL ESTER (I,T)

Waste code: U188
Waste name: PHENOL

Waste code: U196 Waste name: PYRIDINE

Waste code: U211

Waste name: CARBON TETRACHLORIDE

Waste code: U213

Waste name: FURAN, TETRAHYDRO-(I)

Waste code: U220

Waste name: BENZENE, METHYL-

Map ID Direction Distance Distance (ft.)Site

rection EDR ID Number

THERAVANCE, INC (Continued)

1001959766

**EPA ID Number** 

Database(s)

Waste code: U226

Waste name: ETHANE, 1,1,1-TRICHLORO-

Waste code: U238

Waste name: CARBAMIC ACID, ETHYL ESTER

Waste code: U246

Waste name: CYANOGEN BROMIDE (CN)BR

Waste code: U404

Waste name: ETHANAMINE, N,N-DIETHYL- (OR) TRIETHYLAMINE

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002

Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS

CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE

DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D003

Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS

NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE

OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

Waste code: D006
Waste name: CADMIUM

Waste code: D007

Waste name: CHROMIUM

Waste code: D009
Waste name: MERCURY

Waste code: D011
Waste name: SILVER

Waste code: D018
Waste name: BENZENE

Waste code: D022

Waste name: CHLOROFORM

Waste code: D035

Waste name: METHYL ETHYL KETONE

Map ID Direction Distance Distance (ft.)Site

irection EDR ID Number

## THERAVANCE, INC (Continued)

1001959766

**EPA ID Number** 

Database(s)

Waste code: D038
Waste name: PYRIDINE

Waste code: F002

Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE,

METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE,

CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND

1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND

SPENT SOLVENT MIXTURES.

Waste code: F003

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

 ${\sf MIXTURES}.$ 

Waste code: F005

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: P029

Waste name: COPPER CYANIDE

Waste code: P087

Waste name: OSMIUM OXIDE OSO4, (T-4)-

Waste code: P098

Waste name: POTASSIUM CYANIDE

Waste code: P105

Waste name: SODIUM AZIDE

Waste code: U006

Waste name: ACETYL CHLORIDE (C,R,T)

Waste code: U056

Waste name: BENZENE, HEXAHYDRO- (I)

Waste code: U092

Waste name: DIMETHYLAMINE (I)

Waste code: U122

Map ID
Direction
EDR ID Number
Distance

Distance (ft.)Site Database(s) EPA ID Number

## THERAVANCE, INC (Continued)

1001959766

Waste name: FORMALDEHYDE

Waste code: U123

Waste name: FORMIC ACID (C,T)

Waste code: U133

Waste name: HYDRAZINE (R,T)

Biennial Reports:

Last Biennial Reporting Year: 2013

Annual Waste Handled:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Amount (Lbs): 60769.4

Waste code: D002

Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS

CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE

DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Amount (Lbs): 23368

Waste code: D003

Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS

NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE

OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

Amount (Lbs): 1357

Waste code: D004
Waste name: ARSENIC
Amount (Lbs): 513

Waste code: D005 Waste name: BARIUM Amount (Lbs): 714

Waste code: D007
Waste name: CHROMIUM

Amount (Lbs): 513

Waste code: D009
Waste name: MERCURY

Amount (Lbs): 5

Waste code: D011

Map ID
Direction
Distance

Distance (ft.)Site Database(s) EPA ID Number

THERAVANCE, INC (Continued)

1001959766

**EDR ID Number** 

Waste name: SILVER Amount (Lbs): 513

Waste code: D018
Waste name: BENZENE
Amount (Lbs): 20289

Waste code: D022

Waste name: CHLOROFORM

Amount (Lbs): 74364

Waste code: D038
Waste name: PYRIDINE
Amount (Lbs): 73650

Waste code: F001

Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING:

TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED

FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED

IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE

SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Amount (Lbs): 513

Waste code: F002

Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE,

METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE,

CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND

1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND

SPENT SOLVENT MIXTURES.

Amount (Lbs): 74363

Waste code: F003

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT
MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT
NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS
CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED
SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR
MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL

BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Amount (Lbs): 79580.4

Waste code: F005

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

THERAVANCE, INC (Continued)

1001959766

**EDR ID Number** 

LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Amount (Lbs): 77830.4

Waste code: P008

Waste name: 4-AMINOPYRIDINE

Amount (Lbs): 714

Waste code: P010

Waste name: ARSENIC ACID H3ASO4

Amount (Lbs): 714

Waste code: P022

Waste name: CARBON DISULFIDE

Amount (Lbs): 714

Waste code: P030

Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

Amount (Lbs): 714

Waste code: P101

Waste name: ETHYL CYANIDE

Amount (Lbs): 714

Waste code: P105

Waste name: SODIUM AZIDE

Amount (Lbs): 714

Waste code: U001

Waste name: ACETALDEHYDE (I)

Amount (Lbs): 513

Waste code: U002 Waste name: ACETONE (I)

Amount (Lbs): 714

Waste code: U003

Waste name: ACETONITRILE (I,T)

Amount (Lbs): 714

Waste code: U007

Waste name: ACRYLAMIDE

Amount (Lbs): 513

Waste code: U008

Waste name: ACRYLIC ACID (I)

Amount (Lbs): 714

Waste code: U019

Waste name: BENZENE (I,T)

Amount (Lbs): 714

Waste code: U031

Waste name: 1-BUTANOL (I)

Amount (Lbs): 714

Waste code: U037

Distance (ft.)Site Database(s) EPA ID Number

# THERAVANCE, INC (Continued)

1001959766

**EDR ID Number** 

Waste name: BENZENE, CHLORO-

Amount (Lbs): 714

Waste code: U044

Waste name: CHLOROFORM

Amount (Lbs): 1227

Waste code: U046

Waste name: CHLOROMETHYL METHYL ETHER

Amount (Lbs): 5

Waste code: U077

Waste name: ETHANE, 1,2-DICHLORO-

Amount (Lbs): 513

Waste code: U113

Waste name: ETHYL ACRYLATE (I)

Amount (Lbs): 513

Waste code: U117

Waste name: ETHANE, 1,1'-OXYBIS-(I)

Amount (Lbs): 1227

Waste code: U122

Waste name: FORMALDEHYDE

Amount (Lbs): 714

Waste code: U123

Waste name: FORMIC ACID (C,T)

Waste name: FOF Amount (Lbs): 714

Waste code: U133

Waste name: HYDRAZINE (R,T)

Amount (Lbs): 513

Waste code: U154

Waste name: METHANOL (I)

Amount (Lbs): 1227

Waste code: U156

Waste name: CARBONOCHLORIDIC ACID, METHYL ESTER (I,T)

Amount (Lbs): 714

Waste code: U188
Waste name: PHENOL
Amount (Lbs): 714

Waste code: U196
Waste name: PYRIDINE
Amount (Lbs): 1227

Waste code: U211

Waste name: CARBON TETRACHLORIDE

Amount (Lbs): 714

Waste code: U213

Waste name: FURAN, TETRAHYDRO-(I)

Distance (ft.)Site Database(s) EPA ID Number

# THERAVANCE, INC (Continued)

1001959766

**EDR ID Number** 

Amount (Lbs): 714

Waste code: U220

Waste name: BENZENE, METHYL-

Amount (Lbs): 513

Waste code: U226

Waste name: ETHANE, 1,1,1-TRICHLORO-

Amount (Lbs): 714

Waste code: U238

Waste name: CARBAMIC ACID, ETHYL ESTER

Amount (Lbs): 513

Waste code: U246

Waste name: CYANOGEN BROMIDE (CN)BR

Amount (Lbs): 714

Waste code: U404

Waste name: ETHANAMINE, N,N-DIETHYL- (OR) TRIETHYLAMINE

Amount (Lbs): 714

Facility Has Received Notices of Violations:

Regulation violated: Not reported

Area of violation: Generators - General

Date violation determined: 03/22/2011
Date achieved compliance: 04/22/2011
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 03/22/2011
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General

Date violation determined: 03/06/2006
Date achieved compliance: 08/15/2006
Violation lead agency: EPA

Enforcement action:
Enforcement action date:
Enforcement action date:
O4/13/2006
Enf. disposition status:
Enf. disp. status date:
Not reported
Not reported

Enforcement lead agency: EPA

Proposed penalty amount: Not re

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported Not reported

Regulation violated: Not reported

Area of violation: Generators - General

Date violation determined: 03/06/2006
Date achieved compliance: 08/15/2006
Violation lead agency: EPA

rection EDR ID Number

## THERAVANCE, INC (Continued)

1001959766

**EPA ID Number** 

Database(s)

Enforcement action: Not reported Enforcement action date: 08/31/2006 Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: EPA

Proposed penalty amount: Not reported Paid penalty amount: Not reported Not reported Not reported

Regulation violated: Not reported
Area of violation: Generators - General

Date violation determined: 03/06/2006 Date achieved compliance: 08/15/2006 Violation lead agency: EPA

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 06/01/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

**Evaluation Action Summary:** 

Evaluation date: 03/22/2011

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - General

Date achieved compliance: 04/22/2011 Evaluation lead agency: State

Evaluation date: 03/06/2006

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - General

Date achieved compliance: 08/15/2006 Evaluation lead agency: EPA

FINDS:

Registry ID: 110002931739

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

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.

HAZARDOUS WASTE BIENNIAL REPORTER

Distance (ft.)Site Database(s) EPA ID Number

35 THERAVANCE CA San Mateo Co. BI S113757782 951 GATEWAY N/A

SOUTH SAN FRANCISCO, CA 94080

San Mateo Co. BI:

Region: SAN MATEO Facility ID: FA0027562

Prog Element Code: GEN 501-1,000 TONS HAZ WASTE/YR

Record Id: PR0061763

Description: GEN > 500 TONS HAZ WASTE/YR

Region: SAN MATEO Facility ID: FA0027562

Prog Element Code: STORES HAZ MAT <1,199GAL,9,999LB,4,799FT3

Record Id: PR0044107

Description: STORES HAZ MAT <1,199GAL,9,999LB,4,799CF

Region: SAN MATEO Facility ID: FA0027563

Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT

Record Id: PR0044110

Description: GENERATES & RECYCLES WASTE OIL/SOLVENT

Region: SAN MATEO Facility ID: FA0027563

Prog Element Code: STORES HAZ MAT <219GAL,1,999LB, 879FT3

Record Id: PR0044109

Description: STORES HAZ MAT <219GAL,1,999LB, 879CF

Region: SAN MATEO Facility ID: FA0027609

Prog Element Code: GEN <1 TONS HAZ WASTE/YR

Record Id: PR0044294

Description: GEN <1 TONS HAZ WASTE/YR

Region: SAN MATEO Facility ID: FA0027609

Prog Element Code: STORES HAZ MAT <219GAL,1,999LB, 879FT3

Record Id: PR0044293

Description: STORES HAZ MAT <219GAL,1,999LB, 879CF

Region: SAN MATEO Facility ID: FA0027614

Prog Element Code: GENERATES <27 GAL/YEAR

Record Id: PR0044307

Description: GENERATES <27 GAL/YEAR

Region: SAN MATEO Facility ID: FA0040921

Prog Element Code: GEN <1 TONS HAZ WASTE/YR

Record Id: PR0056794

Description: GEN <1 TONS HAZ WASTE/YR

Region: SAN MATEO Facility ID: FA0040921

Prog Element Code: STORES MV FUELS OR WASTE ONLY

Record Id: PR0056793

Description: STORES MV FUELS OR WASTE ONLY

irection EDR ID Number

Database(s) EPA ID Number

35 FIVE PRIME THERAPEUTICS INC 951 GATEWAY BLVD S SAN FRANCISCO, CA 94080 RCRA NonGen / NLR 1005904400 FINDS CAR000122267 CA HAZNET

RCRA NonGen / NLR:

Date form received by agency: 07/16/2002

Facility name: FIVE PRIME THERAPEUTICS INC

Facility address: 951 GATEWAY BLVD

S SAN FRANCISCO, CA 94080

EPA ID: CAR000122267
Mailing address: 1650 OWENS STREET

SUITE 200

SAN FRANCISCO, CA 94158

Contact: RENE RICKS

Contact address: 1650 OWENS STREET SUITE 200

SAN FRANCISCO, CA 94158

Contact country: US

Contact telephone: 925-370-1020

Contact email: RENE.R@COMCAST.NET

EPA Region: 09

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: H M S GATEWAY OFFICE L P

Owner/operator address: 951 GATEWAY BLVD

S SAN FRANCISCO, CA 94080

Owner/operator country: Not reported
Owner/operator telephone: (415) 720-7089

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/0001
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: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: Nο 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

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE

EDR ID Number

Database(s) EPA ID Number

#### **FIVE PRIME THERAPEUTICS INC (Continued)**

1005904400

MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002

Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS

CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE

DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D003

Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS

NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE

OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

Waste code: F003

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

MIXTURES.

Waste code: F005

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

FINDS:

Registry ID: 110012543391

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

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.

Distance (ft.)Site Database(s) EPA ID Number

## **FIVE PRIME THERAPEUTICS INC (Continued)**

1005904400

**EDR ID Number** 

HAZNET:

Year: 2005

Gepaid: CAR000122267

Contact: JENNIFER PRATT/DIR OPTNS ADMIN

Telephone: 4153655663 Mailing Name: Not reported

Mailing Address: 1650 OWENS ST STE 200

Mailing City, St, Zip: SOUTH SAN FRANCISCO, CA 94080

Gen County: Not reported
TSD EPA ID: CAD008302903
TSD County: Not reported

Waste Category: Laboratory waste chemicals

Disposal Method: Transfer Station

Tons: 0.01 Facility County: San Mateo

Year: 2005

Gepaid: CAR000122267

Contact: JENNIFER PRATT/DIR OPTNS ADMIN

Telephone: 4153655663 Mailing Name: Not reported

Mailing Address: 1650 OWENS ST STE 200

Mailing City, St, Zip: SOUTH SAN FRANCISCO, CA 94080

Gen County: Not reported
TSD EPA ID: CAD008302903
TSD County: Not reported

Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L

Disposal Method: Transfer Station

Tons: 0.02 Facility County: San Mateo

Year: 2005

Gepaid: CAR000122267

Contact: JENNIFER PRATT/DIR OPTNS ADMIN

Telephone: 4153655663 Mailing Name: Not reported

Mailing Address: 1650 OWENS ST STE 200

Mailing City,St,Zip: SOUTH SAN FRANCISCO, CA 94080

Gen County: Not reported
TSD EPA ID: CAT080014079
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Transfer Station

Tons: 0.02 Facility County: San Mateo

Year: 2005

Gepaid: CAR000122267

Contact: JENNIFER PRATT/DIR OPTNS ADMIN

Telephone: 4153655663 Mailing Name: Not reported

Mailing Address: 1650 OWENS ST STE 200

Mailing City, St, Zip: SOUTH SAN FRANCISCO, CA 94080

Gen County: Not reported
TSD EPA ID: CAD008302903
TSD County: Not reported

Waste Category: Off-specification, aged or surplus organics

ection EDR ID Number

Database(s) EPA ID Number

# FIVE PRIME THERAPEUTICS INC (Continued)

1005904400

Disposal Method: Recycler
Tons: 0.08
Facility County: San Mateo

Year: 2005

Gepaid: CAR000122267

Contact: JENNIFER PRATT/DIR OPTNS ADMIN

Telephone: 4153655663 Mailing Name: Not reported

Mailing Address: 1650 OWENS ST STE 200

Mailing City, St, Zip: SOUTH SAN FRANCISCO, CA 94080

Gen County: Not reported
TSD EPA ID: CAD008302903
TSD County: Not reported

Waste Category: Unspecified organic liquid mixture

Disposal Method: Transfer Station

Tons: 0.06 Facility County: San Mateo

Click this hyperlink while viewing on your computer to access 17 additional CA\_HAZNET: record(s) in the EDR Site Report.

# 35 SSF SEWAGE PUMP STATION #2 955 GATEWAY

CA San Mateo Co. BI S113757233

N/A

SOUTH SAN FRANCISCO, CA 94080

San Mateo Co. BI:

Region: SAN MATEO Facility ID: FA0024808

Prog Element Code: GENERATES <27 GAL/YEAR

Record Id: PR0048108

Description: GENERATES <27 GAL/YEAR

Region: SAN MATEO Facility ID: FA0024808

Prog Element Code: STORES HAZ MAT <219GAL,1,999LB, 879FT3

Record Id: PR0030741

Description: STORES HAZ MAT <219GAL,1,999LB, 879CF

# CHILTERN DEVELOPMENT CORPORATI

105 OYSTER POINT BLVD SO. SAN FRANCISCO, CA 94080

CA FID UST:

35

41004925 Facility ID: Regulated By: UTNKA Regulated ID: Not reported Not reported Cortese Code: SIC Code: Not reported 4155884955 Facility Phone: Mail To: Not reported Mailing Address: 900 CHILTERN RD Mailing Address 2: Not reported

Mailing City, St, Zip: SO. SAN FRANCISCO 94080

Contact: Not reported Contact Phone: Not reported

CA FID UST S101594076 N/A

EDR ID Number

Database(s) EPA ID Number

S101594076

S101482213

N/A

# **CHILTERN DEVELOPMENT CORPORATI (Continued)**

DUNs Number: Not reported NPDES Number: Not reported EPA ID: Not reported Comments: Not reported Status: Active

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35 CHILTERN DEVELOPMENT CORPORATION 105 OYSTER POINT BLVD S SAN FRANCISCO, CA 94080

SWEEPS UST:

Status: Active Comp Number: 550139 Number: 9

Board Of Equalization: Not reported Referral Date: 04-22-94 Action Date: 04-22-94 Created Date: 10-13-88 Owner Tank Id: Not reported SWRCB Tank Id: Not reported Not reported Tank Status: Capacity: Not reported Not reported Active Date: Not reported Tank Use: STG: Not reported Not reported Content: Number Of Tanks: Not reported

\_\_\_\_

35 MAIN SPRING CORP 105 OYSTER PT SOUTH SAN FRANCISCO, CA 94080

HIST CORTESE:

Region: CORTESE Facility County Code: 41
Reg By: CALSI
Reg Id: 41330044

San Mateo Co. BI:

Region: SAN MATEO Facility ID: FA0017789

Prog Element Code: UNDERGROUND TANK - GENERAL

Record Id: PR0022663

Description: UNDERGROUND TANK - GENERAL

ENVIROSTOR:

41330044 Facility ID: Status: Refer: RWQCB Status Date: 03/21/1995 Site Code: Not reported Site Type: Historical Site Type Detailed: \* Historical Acres: Not reported NPL: NO

Regulatory Agencies: NONE SPECIFIED

\_\_\_\_

**CA SWEEPS UST** 

CA HIST CORTESE \$105026703
CA San Mateo Co. BI N/A
CA ENVIROSTOR

Map ID
Direction
EDR ID Number
Distance

Distance (ft.)Site Database(s) EPA ID Number

## MAIN SPRING CORP (Continued)

S105026703

Lead Agency: NONE SPECIFIED Program Manager: Not reported

Supervisor: Referred - Not Assigned Division Branch: Cleanup Berkeley

Assembly: 22 Senate: 13

Special Program: Not reported

Restricted Use: NO

Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 37.66276
Longitude: -122.3969
APN: NONE SPECIFIED

Past Use: NONE SPECIFIED NONE SPECIFIED

Potential COC: \* ORGANIC LIQUIDS WITH METALS \* CONTAMINATED SOIL Asbestos

Containing Materials (ACM Chromium VI Nickel

Confirmed COC: NONE SPECIFIED Potential Description: NONE SPECIFIED

Alias Name: SHEARWATER PROJECT

Alias Type: Alternate Name
Alias Name: 41330044

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: \* Discovery
Completed Date: 08/01/1980

Comments: FACILITY IDENTIFIED ACTIVE SITE I.D.'D IND. OF DRIVE BY

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 05/31/1989

Comments: SITE SCREENING DONE PA MED. CONTAMINATION SUSPECTED

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 05/14/1987

Comments: SITE SCREENING DONE

Future Area Name: Not reported Future Sub Area Name: Not reported Future Document Type: Not reported Not reported Future Due Date: 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

Distance (ft.)Site Database(s) EPA ID Number

35 BAY WEST COVE LLC 159 OYSTER POINT BLVD SOUTH SAN FRANCISCO, CA 94080

San Mateo Co. BI:

Region: SAN MATEO Facility ID: FA0024534

Prog Element Code: UNDERGROUND TANK - GENERAL

Record Id: PR0029292

Description: UNDERGROUND TANK - GENERAL

Region: SAN MATEO Facility ID: FA0024596

Prog Element Code: UNDERGROUND TANK - GENERAL

Record Id: PR0029411

Description: UNDERGROUND TANK - GENERAL

HAZNET:

Year: 1998

Gepaid: CAC001333248
Contact: BAY WEST COVE LLC

Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 600 TOWSON ST

Mailing City, St, Zip: SAN FRANCISCO, CA 941030000

Gen County: Not reported
TSD EPA ID: CAD099452708
TSD County: Not reported

Waste Category: Unspecified oil-containing waste

Disposal Method: Recycler
Tons: 1.7722
Facility County: San Mateo

Year: 1997

Gepaid: CAC001333248
Contact: BAY WEST COVE LLC

Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 600 TOWSON ST

Mailing City, St, Zip: SAN FRANCISCO, CA 941030000

Gen County: Not reported
TSD EPA ID: CAT080025711
TSD County: Not reported

Waste Category: Waste oil and mixed oil

Disposal Method: Recycler
Tons: 10.6126
Facility County: San Mateo

Year: 1997

Gepaid: CAC001333248
Contact: BAY WEST COVE LLC

Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 600 TOWSON ST

Mailing City, St, Zip: SAN FRANCISCO, CA 941030000

Gen County: Not reported
TSD EPA ID: CAT000646117
TSD County: Not reported
Waste Category: Not reported

**EDR ID Number** 

S112883203

N/A

CA San Mateo Co. BI

**CA HAZNET** 

Map ID Direction Distance Distance (ft.)Site

Distance
Distance (ft.)Site Database(s) EPA ID Number

# **BAY WEST COVE LLC (Continued)**

S112883203

**EDR ID Number** 

Disposal Method: Transfer Station

Tons: .0000 Facility County: San Mateo

Year: 1997

Gepaid: CAC001333248
Contact: BAY WEST COVE LLC

Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 600 TOWSON ST

Mailing City, St, Zip: SAN FRANCISCO, CA 941030000

Gen County: Not reported
TSD EPA ID: CAD009466392
TSD County: Not reported

Waste Category: Other empty containers 30 gallons or more

Disposal Method: Recycler
Tons: .6250
Facility County: San Mateo

Year: 1997

Gepaid: CAC001333248
Contact: BAY WEST COVE LLC

Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 600 TOWSON ST

Mailing City, St, Zip: SAN FRANCISCO, CA 941030000

Gen County: Not reported
TSD EPA ID: CAT000646117
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Not reported
Tons: 1.0000

Tons: 1.0000 Facility County: San Mateo

<u>Click this hyperlink</u> while viewing on your computer to access additional CA\_HAZNET: detail in the EDR Site Report.

#### 35 PROPERTY AT FORMER SHEARWATER 103 OYSTER PT SOUTH SAN FRANCISCO, CA 94080

CA SWEEPS UST S106924657 CA San Mateo Co. BI N/A

SWEEPS UST:

Status: Not reported Comp Number: 550203 Number: Not reported Board Of Equalization: Not reported Referral Date: Not reported Action Date: Not reported Created Date: Not reported Owner Tank Id: Not reported

SWRCB Tank ld: 41-000-550203-000001

Tank Status: Not reported
Capacity: 15000
Active Date: Not reported
Tank Use: Not reported
STG: WASTE
Content: Not reported

Number Of Tanks: 2

Map ID Direction Distance Distance (ft.)Site

rection EDR ID Number

PROPERTY AT FORMER SHEARWATER (Continued)

S106924657

**EPA ID Number** 

Database(s)

Status: Not reported 550203 Comp Number: Number: Not reported Board Of Equalization: Not reported Referral Date: Not reported Not reported Action Date: Created Date: Not reported Not reported Owner Tank Id:

SWRCB Tank Id: 41-000-550203-000002

Tank Status: Not reported

Capacity: 500

Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

San Mateo Co. BI:

Region: SAN MATEO Facility ID: FA0015246

Prog Element Code: UNDERGROUND TANK - GENERAL

Record Id: PR0022692

Description: UNDERGROUND TANK - GENERAL

\_\_\_\_\_\_

36 MALCOLM DRILLING 200 OYSTER POINT SOUTH SAN FRANCISCO, CA 94080

DEED:

Area: Not reported Sub Area: Not reported Site Type: SLIC

Status: COMPLETED - CASE CLOSED

Agency: SWRCB
Covenant Uploadevid:
Deed Date(s): 06/08/2005
EDR Link ID: T0608177731

36 BLUE LINE TRANSFER STATION 180 OYSTER POINT S SAN FRANCISCO, CA 94080 CA LUST S105033473
CA SWEEPS UST N/A
CA San Mateo Co. BI
CA EMI

CA DEED \$113758861

N/A

LUST:

Region: STATE
Global Id: T0608169336
Latitude: 37.66187
Longitude: -122.393699
Case Type: LUST Cleanup Site
Status: Completed - Case Closed

Status Date: 11/03/2009

Lead Agency: SAN MATEO COUNTY LOP

Case Worker: JM

Local Agency: SAN MATEO COUNTY LOP

RB Case Number: 41-4033 LOC Case Number: 550167

Distance (ft.)Site Database(s) EPA ID Number

# **BLUE LINE TRANSFER STATION (Continued)**

S105033473

**EDR ID Number** 

File Location: Not reported

Potential Media Affect: Other Groundwater (uses other than drinking water)

Potential Contaminants of Concern: Gasoline Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0608169336

Contact Type: Local Agency Caseworker

Contact Name: JACOB MADDEN

Organization Name: SAN MATEO COUNTY LOP

Address: 2000 ALAMEDA DE LAS PULGAS

City: SAN MATEO

Email: jmadden@smcgov.org

Phone Number: 6503726298

Global Id: T0608169336

Contact Type: Regional Board Caseworker

Contact Name: UUU

Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)

Address: 1515 CLAY ST SUITE 1400

City: OAKLAND
Email: Not reported
Phone Number: Not reported

Status History:

Global Id: T0608169336

Status: Open - Site Assessment

Status Date: 06/03/1999

Global Id: T0608169336

Status: Open - Verification Monitoring

Status Date: 06/21/2006

Global Id: T0608169336
Status: Open - Remediation

Status Date: 01/10/2006

Global Id: T0608169336
Status: Open - Remediation

Status Date: 02/24/2006

Global Id: T0608169336

Status: Completed - Case Closed

Status Date: 11/03/2009

Global Id: T0608169336

Status: Open - Case Begin Date

Status Date: 06/03/1999

Regulatory Activities:

Global Id: T0608169336
Action Type: RESPONSE
Date: 05/15/2008

Action: Monitoring Report - Quarterly

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

# **BLUE LINE TRANSFER STATION (Continued)**

S105033473

**EDR ID Number** 

 Global Id:
 T0608169336

 Action Type:
 RESPONSE

 Date:
 08/15/2007

Action: Monitoring Report - Quarterly

 Global Id:
 T0608169336

 Action Type:
 RESPONSE

 Date:
 08/15/2006

Action: Monitoring Report - Quarterly

 Global Id:
 T0608169336

 Action Type:
 RESPONSE

 Date:
 08/15/2005

Action: Monitoring Report - Quarterly

 Global Id:
 T0608169336

 Action Type:
 RESPONSE

 Date:
 11/15/2007

Action: Monitoring Report - Quarterly

 Global Id:
 T0608169336

 Action Type:
 RESPONSE

 Date:
 01/14/2004

Action: Soil and Water Investigation Report

 Global Id:
 T0608169336

 Action Type:
 RESPONSE

 Date:
 05/11/2004

Action: Soil and Water Investigation Workplan

 Global Id:
 T0608169336

 Action Type:
 RESPONSE

 Date:
 08/04/2004

Action: Soil and Water Investigation Report

 Global Id:
 T0608169336

 Action Type:
 RESPONSE

 Date:
 11/18/2004

Action: Soil and Water Investigation Workplan

 Global Id:
 T0608169336

 Action Type:
 RESPONSE

 Date:
 09/14/2005

Action: Interim Remedial Action Plan

 Global Id:
 T0608169336

 Action Type:
 RESPONSE

 Date:
 05/02/2006

Action: Interim Remedial Action Report

 Global Id:
 T0608169336

 Action Type:
 RESPONSE

 Date:
 02/10/2006

Action: Electronic Reporting Submittal Due

Global Id: T0608169336 Action Type: RESPONSE

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

# **BLUE LINE TRANSFER STATION (Continued)**

S105033473

**EDR ID Number** 

Date: 06/02/2006

Action: Interim Remedial Action Report

 Global Id:
 T0608169336

 Action Type:
 RESPONSE

 Date:
 08/15/2004

Action: Monitoring Report - Quarterly

 Global Id:
 T0608169336

 Action Type:
 RESPONSE

 Date:
 02/15/2006

Action: Monitoring Report - Quarterly

 Global Id:
 T0608169336

 Action Type:
 RESPONSE

 Date:
 11/15/2005

Action: Monitoring Report - Quarterly

 Global Id:
 T0608169336

 Action Type:
 RESPONSE

 Date:
 02/15/2007

Action: Monitoring Report - Quarterly

 Global Id:
 T0608169336

 Action Type:
 RESPONSE

 Date:
 02/15/2008

Action: Monitoring Report - Quarterly

 Global Id:
 T0608169336

 Action Type:
 RESPONSE

 Date:
 05/15/2007

Action: Monitoring Report - Quarterly

 Global Id:
 T0608169336

 Action Type:
 RESPONSE

 Date:
 11/15/2006

Action: Corrective Action Plan / Remedial Action Plan

 Global Id:
 T0608169336

 Action Type:
 RESPONSE

 Date:
 07/21/2006

Action: Electronic Reporting Submittal Due

 Global Id:
 T0608169336

 Action Type:
 RESPONSE

 Date:
 05/15/2006

Action: Monitoring Report - Quarterly

 Global Id:
 T0608169336

 Action Type:
 RESPONSE

 Date:
 11/15/2006

Action: Monitoring Report - Quarterly

 Global Id:
 T0608169336

 Action Type:
 RESPONSE

 Date:
 03/23/2005

Action: Soil and Water Investigation Report

Distance (ft.)Site Database(s) EPA ID Number

# **BLUE LINE TRANSFER STATION (Continued)**

S105033473

**EDR ID Number** 

 Global Id:
 T0608169336

 Action Type:
 RESPONSE

 Date:
 07/16/2003

Action: Soil and Water Investigation Workplan

 Global Id:
 T0608169336

 Action Type:
 ENFORCEMENT

 Date:
 03/02/2004

Action: Staff Letter - #20040302

Global Id: T0608169336
Action Type: ENFORCEMENT
Date: 08/14/2008

Action: Staff Letter - #20080814

 Global Id:
 T0608169336

 Action Type:
 RESPONSE

 Date:
 08/14/2009

Action: Well Destruction Report

Global Id: T0608169336
Action Type: ENFORCEMENT
Date: 05/12/2004

Action: Staff Letter - #20040512

Global Id: T0608169336
Action Type: ENFORCEMENT
Date: 06/01/2005

Action: Staff Letter - #20050601

 Global Id:
 T0608169336

 Action Type:
 ENFORCEMENT

 Date:
 02/24/2006

Action: Staff Letter - #20060224B

 Global Id:
 T0608169336

 Action Type:
 ENFORCEMENT

 Date:
 01/10/2006

Action: Staff Letter - #20060110B

 Global Id:
 T0608169336

 Action Type:
 ENFORCEMENT

 Date:
 06/21/2006

Action: Staff Letter - #20060621B

 Global Id:
 T0608169336

 Action Type:
 ENFORCEMENT

 Date:
 06/21/2006

Action: Staff Letter - #20060621

Global Id: T0608169336
Action Type: ENFORCEMENT
Date: 03/21/2002

Action: Staff Letter - #20020321B

Global Id: T0608169336
Action Type: ENFORCEMENT

Distance (ft.)Site Database(s) EPA ID Number

# **BLUE LINE TRANSFER STATION (Continued)**

S105033473

**EDR ID Number** 

Date: 01/10/2006

Action: Staff Letter - #20060110A

 Global Id:
 T0608169336

 Action Type:
 ENFORCEMENT

 Date:
 02/24/2006

Action: Staff Letter - #20060224A

 Global Id:
 T0608169336

 Action Type:
 ENFORCEMENT

 Date:
 08/21/2000

Action: Notice of Responsibility - #1

 Global Id:
 T0608169336

 Action Type:
 ENFORCEMENT

 Date:
 05/01/2003

Action: Notice of Violation - #20030501

 Global Id:
 T0608169336

 Action Type:
 ENFORCEMENT

 Date:
 09/09/2004

Action: Staff Letter - #20040909

Global Id: T0608169336
Action Type: ENFORCEMENT
Date: 11/24/2004

Action: Staff Letter - #20041124

 Global Id:
 T0608169336

 Action Type:
 ENFORCEMENT

 Date:
 10/15/2003

Action: Staff Letter - #20031015

 Global Id:
 T0608169336

 Action Type:
 ENFORCEMENT

 Date:
 03/21/2002

Action: Staff Letter - #20020321A

 Global Id:
 T0608169336

 Action Type:
 ENFORCEMENT

 Date:
 11/03/2009

Action: Closure/No Further Action Letter - #20091103

 Global Id:
 T0608169336

 Action Type:
 Other

 Date:
 01/01/1950

 Action:
 Leak Discovery

 Global Id:
 T0608169336

 Action Type:
 ENFORCEMENT

 Date:
 10/20/2009

Action: File Review - Closure - #20091020

Global Id: T0608169336
Action Type: ENFORCEMENT
Date: 07/03/2008

Action: Notification - Public Notice of Case Closure - #20080703

Distance (ft.)Site Database(s) EPA ID Number

# **BLUE LINE TRANSFER STATION (Continued)**

S105033473

**EDR ID Number** 

 Global Id:
 T0608169336

 Action Type:
 RESPONSE

 Date:
 03/24/2006

Action: Electronic Reporting Submittal Due

 Global Id:
 T0608169336

 Action Type:
 RESPONSE

 Date:
 07/01/2003

Action: Soil and Water Investigation Workplan

 Global Id:
 T0608169336

 Action Type:
 RESPONSE

 Date:
 10/20/2002

Action: Soil and Water Investigation Workplan

 Global Id:
 T0608169336

 Action Type:
 RESPONSE

 Date:
 05/15/2003

Action: Monitoring Report - Quarterly

 Global Id:
 T0608169336

 Action Type:
 RESPONSE

 Date:
 08/15/2003

Action: Monitoring Report - Quarterly

 Global Id:
 T0608169336

 Action Type:
 RESPONSE

 Date:
 11/15/2003

Action: Monitoring Report - Quarterly

 Global Id:
 T0608169336

 Action Type:
 RESPONSE

 Date:
 11/15/2004

Action: Monitoring Report - Quarterly

 Global Id:
 T0608169336

 Action Type:
 RESPONSE

 Date:
 02/15/2005

Action: Monitoring Report - Quarterly

 Global Id:
 T0608169336

 Action Type:
 RESPONSE

 Date:
 02/14/2004

Action: Monitoring Report - Quarterly

Global Id: T0608169336
Action Type: RESPONSE
Date: 05/15/2004

Action: Monitoring Report - Quarterly

 Global Id:
 T0608169336

 Action Type:
 RESPONSE

 Date:
 05/15/2005

Action: Monitoring Report - Quarterly

Global Id: T0608169336
Action Type: ENFORCEMENT

Distance (ft.)Site Database(s) EPA ID Number

# **BLUE LINE TRANSFER STATION (Continued)**

S105033473

**EDR ID Number** 

Date: 07/16/2003

Action: Notice of Violation - #20030716

 Global Id:
 T0608169336

 Action Type:
 Other

 Date:
 01/01/1950

 Action:
 Leak Reported

LUST REG 2:

Region: 2

Facility Id: Not reported

Facility Status: Pollution Characterization

Case Number: 550167
How Discovered: OM
Leak Cause: Unknown
Leak Source: Unknown
Date Leak Confirmed: Not reported
Oversight Program: LUST

Prelim. Site Assesment Wokplan Submitted:
Preliminary Site Assesment Began:
Pollution Characterization Began:
Pollution Remediation Plan Submitted:
Date Remediation Action Underway:
Not reported
Not reported
Not reported
Not reported
Not reported
Not reported

SAN MATEO CO. LUST:

Region: SAN MATEO
Facility ID: 550167
Facility Status: 9- Case Closed
Global ID: T0608169336
APN Number: 015023440

Case Type: SAN MATEO CO. LUST EDR Link ID: SAN MATEO CO. LUST

SWEEPS UST:

Status: Active
Comp Number: 550040
Number: 9

Board Of Equalization: Not reported Referral Date: 04-22-94 Action Date: 04-22-94 Created Date: 10-13-88

Owner Tank Id: 1

SWRCB Tank Id: 41-000-550040-000001

Tank Status: A
Capacity: 6000
Active Date: 04-22-94
Tank Use: M.V. FUEL

STG: P

Content: REG UNLEADED

Number Of Tanks: 2

Status: Active
Comp Number: 550040
Number: 9

Distance (ft.)Site Database(s) EPA ID Number

# **BLUE LINE TRANSFER STATION (Continued)**

S105033473

**EDR ID Number** 

Board Of Equalization: Not reported Referral Date: 04-22-94 Action Date: 04-22-94 Created Date: 10-13-88

Owner Tank Id: 2

SWRCB Tank Id: 41-000-550040-000002

Tank Status: A
Capacity: 10000
Active Date: 04-22-94
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

San Mateo Co. BI:

Region: SAN MATEO Facility ID: FA0017703

Prog Element Code: STORES HAZ MAT <1,199GAL,9,999LB,4,799FT3

Record Id: PR0023557

Description: STORES HAZ MAT <1,199GAL,9,999LB,4,799CF

Region: SAN MATEO Facility ID: FA0017703

Prog Element Code: UNDERGROUND TANK - GENERAL

Record Id: PR0022596

Description: UNDERGROUND TANK - GENERAL

EMI:

 Year:
 2012

 County Code:
 41

 Air Basin:
 SF

 Facility ID:
 21883

 Air District Name:
 BA

 SIC Code:
 6531

Air District Name:

Community Health Air Pollution Info System:

Consolidated Emission Reporting Rule:

Total Organic Hydrocarbon Gases Tons/Yr:

Reactive Organic Gases Tons/Yr:

Carbon Monoxide Emissions Tons/Yr:

NOX - Oxides of Nitrogen Tons/Yr:

SOX - Oxides of Sulphur Tons/Yr:

BAY AREA AQMD

Not reported

Not reported

0.014

0.0117138

0.024

0.0234

Particulate Matter Tons/Yr: 0.0040983606557

Part. Matter 10 Micrometers & Smllr Tons/Yr: 0.004

36 MALCOLM DRILLING CO INC 200 OYSTER POINT BOULEVARD SOUTH SAN FRANCISCO, CA 94080 CA LUST 1006825556 CA SLIC N/A CA EMI

SAN MATEO CO. LUST:

 Region:
 SAN MATEO

 Facility ID:
 559181

 Facility Status:
 9- Case Closed

 Global ID:
 T0608177731

 APN Number:
 015023380

Case Type: SAN MATEO CO. LUST EDR Link ID: SAN MATEO CO. LUST

Distance (ft.)Site Database(s) EPA ID Number

# MALCOLM DRILLING CO INC (Continued)

1006825556

**EDR ID Number** 

SLIC:

Region: STATE

Facility Status: Completed - Case Closed

 Status Date:
 03/21/2006

 Global Id:
 T0608177731

Lead Agency: SAN MATEO COUNTY LOP

 Lead Agency Case Number:
 559181

 Latitude:
 37.661924

 Longitude:
 -122.391855

Case Type: Cleanup Program Site

Case Worker: JM

Local Agency: SAN MATEO COUNTY LOP

RB Case Number: Not reported

File Location: Local Agency Warehouse

Potential Media Affected: Other Groundwater (uses other than drinking water)

Potential Contaminants of Concern: Chromium Site History: Not reported

Click here to access the California GeoTracker records for this facility:

EMI:

 Year:
 1998

 County Code:
 41

 Air Basin:
 SF

 Facility ID:
 11805

 Air District Name:
 BA

 SIC Code:
 1799

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 & Smllr Tons/Yr: 0

 Year:
 1999

 County Code:
 41

 Air Basin:
 SF

 Facility ID:
 11805

 Air District Name:
 BA

 SIC Code:
 1799

Air District Name:

Community Health Air Pollution Info System:

Consolidated Emission Reporting Rule:

Not reported

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 & Smllr Tons/Yr: 0

Year: 2000

Map ID Direction Distance Distance (ft.)Site

ection EDR ID Number

Database(s) EPA ID Number

1006825556

#### MALCOLM DRILLING CO INC (Continued)

 County Code:
 41

 Air Basin:
 SF

 Facility ID:
 11805

 Air District Name:
 BA

 SIC Code:
 1799

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 & Smllr Tons/Yr: 0

 Year:
 2001

 County Code:
 41

 Air Basin:
 SF

 Facility ID:
 11805

 Air District Name:
 BA

 SIC Code:
 1799

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 & Smllr Tons/Yr: 0

 Year:
 2003

 County Code:
 41

 Air Basin:
 SF

 Facility ID:
 11805

 Air District Name:
 BA

 SIC Code:
 1799

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 & Smllr Tons/Yr: 0

Map ID Direction Distance Distance (ft.)Site

rection EDR ID Number

37 STANDARD ELECTRIC CA LUST \$106162775 930 LINDEN CA SLIC N/A SOUTH SAN FRANCISCO, CA 94080

LUST:

 Region:
 STATE

 Global Id:
 SL0608188827

 Latitude:
 37.6617835322834

 Longitude:
 -122.406642436981

 Case Type:
 LUST Cleanup Site

 Status:
 Open - Site Assessment

Status Date: 03/31/2009

Lead Agency: SAN MATEO COUNTY LOP

Case Worker: JM

Local Agency: SAN MATEO COUNTY LOP

RB Case Number: Not reported LOC Case Number: 550185 File Location: Local Agency

Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Stoddard solvent / Mineral Spriits / Distillates

Site History: Can be extracted from most recent report in Geotracker or at San

Mateo County offices if submitted prior to 2005, San Mateo County does not take responsibility for the accuracy of the statements made or any professional interpretations made in the referenced report.

Database(s)

**EPA ID Number** 

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: SL0608188827

Contact Type: Regional Board Caseworker
Contact Name: JOLANTA UCHMAN

Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)

Address: 1515 CLAY ST SUITE 1400

City: OAKLAND

Email: juchman@waterboards.ca.gov

Phone Number: Not reported

Global Id: SL0608188827

Contact Type: Local Agency Caseworker
Contact Name: JACOB MADDEN
Organization Name: SAN MATEO COUNTY LOP
Address: 2000 ALAMEDA DE LAS PULGAS

City: SAN MATEO
Email: jmadden@smcgov.org

Phone Number: 6503726298

Status History:

Global Id: SL0608188827

Status: Open - Site Assessment

Status Date: 04/29/2004

Global Id: SL0608188827

Status: Open - Site Assessment

Status Date: 03/31/2009

Global Id: SL0608188827

Status: Open - Case Begin Date

Status Date: 03/11/2004

Distance (ft.)Site Database(s) **EPA ID Number** 

# STANDARD ELECTRIC (Continued)

S106162775

**EDR ID Number** 

Regulatory Activities:

Global Id: SL0608188827 Action Type: **ENFORCEMENT** Date: 07/01/2009

Action: Notice of Responsibility - #20090701

SL0608188827 Global Id: Other Action Type: Date: 01/01/1950 Action: Leak Reported

Global Id: SL0608188827 **ENFORCEMENT** Action Type: Date: 10/05/2011

Action: Staff Letter - #20111005

Global Id: SL0608188827 Action Type: **RESPONSE** Date: 03/15/2007

Action: Soil and Water Investigation Report

Global Id: SL0608188827 Action Type: RESPONSE 05/19/2009 Date: Action: Correspondence

Global Id: SL0608188827 Action Type: **ENFORCEMENT** Date: 03/03/2011

Staff Letter - #20110303 Action:

Global Id: SL0608188827 Action Type: **ENFORCEMENT** 

Date: 07/15/2009

Staff Letter - #20090715 Action:

Global Id: SL0608188827 Action Type: **ENFORCEMENT** Date: 06/23/2010

Notice of Violation - #20100623 Action:

Global Id: SL0608188827 Action Type: **ENFORCEMENT** Date: 08/27/2009

Action: Staff Letter - #20090827

Global Id: SL0608188827 **ENFORCEMENT** Action Type: Date: 08/13/2009

Action: Notice of Responsibility - #20090813

Global Id: SL0608188827 Action Type: **ENFORCEMENT** 10/31/2012 Date:

Action: Staff Letter - #20121031

Global Id: SL0608188827

Map ID Direction Distance Distance (ft.)Site

Direction EDR ID Number
Distance

# STANDARD ELECTRIC (Continued)

S106162775

**EPA ID Number** 

Database(s)

Action Type: ENFORCEMENT Date: 05/04/2004

Action: \* Historical Enforcement - #20040504

 Global Id:
 \$L0608188827

 Action Type:
 ENFORCEMENT

 Date:
 12/01/2005

Action: Staff Letter - #20051201

 Global Id:
 SL0608188827

 Action Type:
 ENFORCEMENT

 Date:
 08/02/2005

Action: Notice of Violation - #20050802

 Global Id:
 \$L0608188827

 Action Type:
 ENFORCEMENT

 Date:
 02/15/2007

Action: Notice of Violation - #20070215

 Global Id:
 \$L0608188827

 Action Type:
 ENFORCEMENT

 Date:
 07/19/2006

Action: Staff Letter - #07192006

 Global Id:
 SL0608188827

 Action Type:
 ENFORCEMENT

 Date:
 05/03/2004

Action: Staff Letter - #20040503

 Global Id:
 \$L0608188827

 Action Type:
 ENFORCEMENT

 Date:
 12/02/2010

Action: Notice of Violation - #20100212

 Global Id:
 \$L0608188827

 Action Type:
 RESPONSE

 Date:
 11/20/2009

Action: Preliminary Site Assessment Workplan - Regulator Responded

 Global Id:
 \$L0608188827

 Action Type:
 RESPONSE

 Date:
 05/20/2011

Action: Preliminary Site Assessment Workplan - Addendum - Regulator Responded

 Global Id:
 \$L0608188827

 Action Type:
 ENFORCEMENT

 Date:
 01/08/2014

Action: Notice of Violation - #20140108

 Global Id:
 \$L0608188827

 Action Type:
 RESPONSE

 Date:
 01/26/2006

Action: Electronic Reporting Submittal Due

 Global Id:
 \$L0608188827

 Action Type:
 RESPONSE

 Date:
 08/02/2005

Map ID Direction Distance

Distance
Distance (ft.)Site
Database(s) EPA ID Number

# STANDARD ELECTRIC (Continued)

S106162775

**EDR ID Number** 

Action: Soil and Water Investigation Workplan

 Global Id:
 \$L0608188827

 Action Type:
 RESPONSE

 Date:
 02/15/2007

Action: Soil and Water Investigation Report

 Global Id:
 \$L0608188827

 Action Type:
 RESPONSE

 Date:
 07/12/2004

Action: Soil and Water Investigation Workplan

 Global Id:
 \$L0608188827

 Action Type:
 RESPONSE

 Date:
 11/08/2006

Action: Soil and Water Investigation Report

 Global Id:
 \$L0608188827

 Action Type:
 RESPONSE

 Date:
 02/03/2012

Action: Site Assessment Report - Regulator Responded

 Global Id:
 \$L0608188827

 Action Type:
 ENFORCEMENT

 Date:
 04/16/2009

Action: Letter - Notice - #20090416

 Global Id:
 SL0608188827

 Action Type:
 ENFORCEMENT

 Date:
 06/17/2009

Action: Staff Letter - #20090617

 Global Id:
 \$L0608188827

 Action Type:
 ENFORCEMENT

 Date:
 03/31/2009

Action: Staff Letter - #20090331

 Global Id:
 \$L0608188827

 Action Type:
 RESPONSE

 Date:
 03/15/2013

Action: Soil and Water Investigation Workplan

 Global Id:
 \$L0608188827

 Action Type:
 Other

 Date:
 01/01/1950

 Action:
 Leak Discovery

SAN MATEO CO. LUST:

Region: SAN MATEO Facility ID: 550185

Facility Status: 3B- Preliminary Assessment Underway

Global ID: SL0608188827 APN Number: 012102020

Case Type: SAN MATEO CO. LUST EDR Link ID: SAN MATEO CO. LUST

Map ID Direction Distance Distance (ft.)Site

irection EDR ID Number

Database(s) EPA ID Number

S106162775

# STANDARD ELECTRIC (Continued)

 Region:
 SAN MATEO

 Facility ID:
 559183

 Facility Status:
 9- Case Closed

 Global ID:
 SL0608147763

 APN Number:
 012102020

Case Type: SAN MATEO CO. LUST EDR Link ID: SAN MATEO CO. LUST

SLIC:

Region: STATE

Facility Status: Completed - Case Closed

 Status Date:
 08/15/2006

 Global Id:
 SL0608147763

Lead Agency: SAN MATEO COUNTY LOP

 Lead Agency Case Number:
 559183

 Latitude:
 37.661805

 Longitude:
 -122.406836

Case Type: Cleanup Program Site

Case Worker: JM

Local Agency: SAN MATEO COUNTY LOP

RB Case Number: Not reported

File Location: Local Agency Warehouse

Potential Media Affected: Other Groundwater (uses other than drinking water)

Potential Contaminants of Concern: \* Solvents Site History: Not reported

Click here to access the California GeoTracker records for this facility:

#### 38 SHELL 899 AIRPORT S SAN FRANCISCO, CA 94080

CA LUST S105194478 CA San Mateo Co. BI N/A

LUST REG 2:

Region: 2

Facility Id: Not reported

Facility Status: Post remedial action monitoring

Case Number: 550016
How Discovered: OM
Leak Cause: Unknown
Leak Source: Unknown
Date Leak Confirmed: Not reported

Oversight Program: LUST

Prelim. Site Assesment Wokplan Submitted:
Preliminary Site Assesment Began:
Pollution Characterization Began:
Pollution Remediation Plan Submitted:
Date Remediation Action Underway:
Not reported
Not reported
Not reported
Not reported
Not reported
Not reported
Not Post Remedial Action Monitoring Began: 3/24/2004

San Mateo Co. BI:

Region: SAN MATEO Facility ID: FA0017736

Prog Element Code: GENERATES <27 GAL/YEAR

Record Id: PR0011621

Description: GENERATES <27 GAL/YEAR

Region: SAN MATEO

Distance (ft.)Site Database(s) EPA ID Number

SHELL (Continued) S105194478

Facility ID: FA0017736

Prog Element Code: STORES HAZ MAT <1,199GAL,9,999LB,4,799FT3

Record Id: PR0023584

Description: STORES HAZ MAT <1,199GAL,9,999LB,4,799CF

Region: SAN MATEO Facility ID: FA0017736

Prog Element Code: UNDERGROUND TANK - GENERAL

Record Id: PR0022620

Description: UNDERGROUND TANK - GENERAL

Region: SAN MATEO Facility ID: FA0027172

Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT

Record Id: PR0042832

Description: GENERATES & RECYCLES WASTE OIL/SOLVENT

Region: SAN MATEO Facility ID: FA0027172

Prog Element Code: STORES HAZ MAT <219GAL,1,999LB, 879FT3

Record Id: PR0042831

Description: STORES HAZ MAT <219GAL,1,999LB, 879CF

Region: SAN MATEO Facility ID: FA0028598

Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT

Record Id: PR0047714

Description: GENERATES & RECYCLES WASTE OIL/SOLVENT

Region: SAN MATEO Facility ID: FA0028598

Prog Element Code: STORES MV FUELS OR WASTE ONLY

Record Id: PR0047713

Description: STORES MV FUELS OR WASTE ONLY

Region: SAN MATEO Facility ID: FA0029597

Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT

Record Id: PR0050518

Description: GENERATES & RECYCLES WASTE OIL/SOLVENT

Region: SAN MATEO Facility ID: FA0029597

Prog Element Code: STORES MV FUELS OR WASTE ONLY

Record Id: PR0050524

Description: STORES MV FUELS OR WASTE ONLY

Region: SAN MATEO Facility ID: FA0036967

Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT

Record Id: PR0053878

Description: GENERATES & RECYCLES WASTE OIL/SOLVENT

Region: SAN MATEO
Facility ID: FA0036967
Prog Element Code: RECYCLER
Record Id: PR0069853

**EDR ID Number** 

Map ID Direction Distance Distance (ft.)Site

Direction EDR ID Number
Distance

SHELL (Continued) S105194478

Description: RECYCLER

Region: SAN MATEO Facility ID: FA0036967

Prog Element Code: STORES MV FUELS OR WASTE ONLY

Record Id: PR0053879

Description: STORES MV FUELS OR WASTE ONLY

Region: SAN MATEO Facility ID: FA0052730

Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT

Record Id: PR0073042

Description: GENERATES & RECYCLES WASTE OIL/SOLVENT

Region: SAN MATEO
Facility ID: FA0052730
Prog Element Code: RECYCLER
Record Id: PR0073043
Description: RECYCLER

Region: SAN MATEO Facility ID: FA0052730

Prog Element Code: STORES MV FUELS OR WASTE ONLY

Record Id: PR0073041

Description: STORES MV FUELS OR WASTE ONLY

\_\_\_\_\_

38 SHELL OIL CO 899 AIRPORT BLVD

SOUTH SAN FRANCISCO, CA 94080

RCRA-SQG 1000288617
CA HIST CORTESE CAD981401805
CA LUST
CA HIST UST

Database(s)

**EPA ID Number** 

RCRA-SQG:

Date form received by agency: 04/08/1998
Facility name: SHELL OIL CO
Facility address: 899 AIRPORT BLVD

SOUTH SAN FRANCISCO, CA 94080

EPA ID: CAD981401805 Mailing address: P O BOX 4453

> HOUSTON, TX 772104453 SONDRA BIENVENU

Contact: SONDRA BIENVEN
Contact address: P O BOX 4453

HOUSTON, TX 772104453
Contact country: US

Contact telephone: (713) 241-2258 Contact email: Not reported

EPA Region: 09

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous

waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of

hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED Owner/operator address: NOT REQUIRED

NOT REQUIRED, ME 99999

Map ID Direction Distance Distance (ft.)Site

rection EDR ID Number

SHELL OIL CO (Continued) 1000288617

Database(s)

**EPA ID Number** 

Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: EQUILON ENTERPRISES LLC

Owner/operator address: P O BOX 4453

HOUSTON, TX 77210

Owner/operator country: Not reported Owner/operator telephone: (713) 241-2258

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: Mixed waste (haz. and radioactive): No Recycler of hazardous waste: Nο Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: Nο Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: Nο Used oil transfer facility: No Used oil transporter: No

Historical Generators:

Date form received by agency: 09/01/1996
Site name: SHELL OIL CO

Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D018
Waste name: BENZENE

Violation Status: No violations found

HIST CORTESE:

Region: CORTESE

Distance (ft.)Site Database(s) EPA ID Number

SHELL OIL CO (Continued)

1000288617

**EDR ID Number** 

Facility County Code: 41
Reg By: LTNKA
Reg Id: 41-0516

LUST:

 Region:
 STATE

 Global Id:
 T0608100492

 Latitude:
 37.660993319

 Longitude:
 -122.404513042

 Case Type:
 LUST Cleanup Site

 Status:
 Completed - Case Closed

Status Date: 08/06/2013

Lead Agency: SAN MATEO COUNTY LOP

Case Worker: MM

Local Agency: SAN MATEO COUNTY LOP

RB Case Number: 41-0516
LOC Case Number: 550016
File Location: Local Agency

Potential Media Affect: Other Groundwater (uses other than drinking water)

Potential Contaminants of Concern: Gasoline

Site History: Can be extracted from most recent report in Geotracker or at San

Mateo County offices if submitted prior to 2005, San Mateo County does not take responsibility for the accuracy of the statements made or any professional interpretations made in the referenced report.

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0608100492

Contact Type: Regional Board Caseworker

Contact Name: Cheryl L. Prowell

Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)

Address: 1515 Clay Street, Suite 1400

City: Oakland

Email: cprowell@waterboards.ca.gov

Phone Number: Not reported

Global Id: T0608100492

Contact Type: Local Agency Caseworker Contact Name: MARC MULLANEY

Organization Name: SAN MATEO COUNTY LOP
Address: 2000 ALAMEDA DE LAS PULGAS

City: SAN MATEO

Email: mmullaney@smcgov.org

Phone Number: 6503726289

Status History:

Global Id: T0608100492

Status: Open - Site Assessment

Status Date: 03/09/2005

Global Id: T0608100492

Status: Open - Site Assessment

Status Date: 01/12/2009

Global Id: T0608100492

Status: Open - Verification Monitoring

Distance (ft.)Site Database(s) EPA ID Number

SHELL OIL CO (Continued)

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1000288617

**EDR ID Number** 

Status Date: 03/24/2004

Global Id: T0608100492

Status: Open - Eligible for Closure

Status Date: 05/29/2012

Global Id: T0608100492

Status: Open - Site Assessment

Status Date: 06/20/1988

Global Id: T0608100492

Status: Completed - Case Closed

Status Date: 08/06/2013

Global Id: T0608100492

Status: Open - Case Begin Date

Status Date: 06/20/1988

Regulatory Activities:

Global Id: T0608100492
Action Type: ENFORCEMENT
Date: 07/13/2010

Action: Staff Letter - #20100713

Global Id: T0608100492
Action Type: RESPONSE
Date: 04/28/2011

Action: Clean Up Fund - 5-Year Review Summary

 Global Id:
 T0608100492

 Action Type:
 RESPONSE

 Date:
 08/15/2011

Action: Monitoring Report - Semi-Annually

 Global Id:
 T0608100492

 Action Type:
 RESPONSE

 Date:
 05/15/2004

Action: Monitoring Report - Quarterly

 Global Id:
 T0608100492

 Action Type:
 RESPONSE

 Date:
 04/27/2005

Action: Soil and Water Investigation Workplan

 Global Id:
 T0608100492

 Action Type:
 RESPONSE

 Date:
 11/15/2006

Action: Monitoring Report - Quarterly

 Global Id:
 T0608100492

 Action Type:
 RESPONSE

 Date:
 08/15/2008

Action: Monitoring Report - Quarterly

 Global Id:
 T0608100492

 Action Type:
 REMEDIATION

 Date:
 01/01/1950

Distance (ft.)Site Database(s) EPA ID Number

SHELL OIL CO (Continued)

1000288617

**EDR ID Number** 

Action: Excavation

 Global Id:
 T0608100492

 Action Type:
 ENFORCEMENT

 Date:
 07/02/2009

Action: Staff Letter - #20070702

 Global Id:
 T0608100492

 Action Type:
 Other

 Date:
 01/01/1950

 Action:
 Leak Discovery

 Global Id:
 T0608100492

 Action Type:
 RESPONSE

 Date:
 08/15/2012

Action: Monitoring Report - Semi-Annually

 Global Id:
 T0608100492

 Action Type:
 ENFORCEMENT

 Date:
 06/22/2011

Action: Staff Letter - #20110622

 Global Id:
 T0608100492

 Action Type:
 RESPONSE

 Date:
 11/15/2008

Action: Monitoring Report - Quarterly

 Global Id:
 T0608100492

 Action Type:
 RESPONSE

 Date:
 02/15/2009

Action: Monitoring Report - Quarterly

 Global Id:
 T0608100492

 Action Type:
 RESPONSE

 Date:
 05/15/2009

Action: Monitoring Report - Quarterly

 Global Id:
 T0608100492

 Action Type:
 ENFORCEMENT

 Date:
 03/16/2012

Action: Staff Letter - #20120316

 Global Id:
 T0608100492

 Action Type:
 ENFORCEMENT

 Date:
 01/31/1989

Action: Notice of Responsibility - #1

 Global Id:
 T0608100492

 Action Type:
 ENFORCEMENT

 Date:
 10/25/2005

Action: Staff Letter - #20051025

Global Id: T0608100492
Action Type: ENFORCEMENT
Date: 07/18/2003

Action: Staff Letter - #20030718

Distance (ft.)Site Database(s) EPA ID Number

SHELL OIL CO (Continued)

**EDR ID Number** 

1000288617

 Global Id:
 T0608100492

 Action Type:
 ENFORCEMENT

 Date:
 07/02/2004

Action: Staff Letter - #20040702

 Global Id:
 T0608100492

 Action Type:
 ENFORCEMENT

 Date:
 05/24/2005

Action: Staff Letter - #20050524

 Global Id:
 T0608100492

 Action Type:
 RESPONSE

 Date:
 08/15/2010

Action: Monitoring Report - Semi-Annually

 Global Id:
 T0608100492

 Action Type:
 RESPONSE

 Date:
 02/15/2009

Action: Monitoring Report - Semi-Annually

 Global Id:
 T0608100492

 Action Type:
 RESPONSE

 Date:
 02/15/2011

Action: Monitoring Report - Semi-Annually

 Global Id:
 T0608100492

 Action Type:
 RESPONSE

 Date:
 02/01/2011

Action: Other Workplan - Regulator Responded

 Global Id:
 T0608100492

 Action Type:
 RESPONSE

 Date:
 02/15/2007

Action: Monitoring Report - Quarterly

 Global Id:
 T0608100492

 Action Type:
 RESPONSE

 Date:
 05/15/2007

Action: Monitoring Report - Quarterly

 Global Id:
 T0608100492

 Action Type:
 RESPONSE

 Date:
 07/15/2003

Action: Monitoring Report - Quarterly

 Global Id:
 T0608100492

 Action Type:
 RESPONSE

 Date:
 11/15/2003

Action: Monitoring Report - Quarterly

 Global Id:
 T0608100492

 Action Type:
 RESPONSE

 Date:
 02/15/2004

Action: Monitoring Report - Quarterly

Global Id: T0608100492 Action Type: RESPONSE

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

SHELL OIL CO (Continued)

Date: 08/15/2004

Action: Monitoring Report - Quarterly

 Global Id:
 T0608100492

 Action Type:
 RESPONSE

 Date:
 02/15/2006

Action: Monitoring Report - Quarterly

 Global Id:
 T0608100492

 Action Type:
 RESPONSE

 Date:
 09/19/2003

 Action:
 Request for Closure

 Global Id:
 T0608100492

 Action Type:
 RESPONSE

 Date:
 05/15/2005

Action: Monitoring Report - Quarterly

 Global Id:
 T0608100492

 Action Type:
 RESPONSE

 Date:
 09/19/2005

Action: Preliminary Site Assessment Workplan

 Global Id:
 T0608100492

 Action Type:
 RESPONSE

 Date:
 02/15/2006

Action: Monitoring Report - Quarterly

 Global Id:
 T0608100492

 Action Type:
 RESPONSE

 Date:
 05/15/2006

Action: Monitoring Report - Quarterly

 Global Id:
 T0608100492

 Action Type:
 RESPONSE

 Date:
 08/15/2006

Action: Monitoring Report - Quarterly

 Global Id:
 T0608100492

 Action Type:
 RESPONSE

 Date:
 11/09/2011

Action: Soil and Water Investigation Report - Regulator Responded

 Global Id:
 T0608100492

 Action Type:
 ENFORCEMENT

 Date:
 02/14/2013

Action: Staff Letter - #20130214

 Global Id:
 T0608100492

 Action Type:
 RESPONSE

 Date:
 08/15/2009

Action: Monitoring Report - Quarterly

Global Id: T0608100492
Action Type: RESPONSE
Date: 05/15/2008

Action: Monitoring Report - Quarterly

**EDR ID Number** 

1000288617

Distance (ft.)Site Database(s) EPA ID Number

SHELL OIL CO (Continued)

1000288617

**EDR ID Number** 

 Global Id:
 T0608100492

 Action Type:
 RESPONSE

 Date:
 05/15/2009

Action: Risk Assessment Report

 Global Id:
 T0608100492

 Action Type:
 REMEDIATION

 Date:
 01/01/1950

 Action:
 Excavation

 Global Id:
 T0608100492

 Action Type:
 ENFORCEMENT

 Date:
 01/12/2009

Action: Staff Letter - #20090112

 Global Id:
 T0608100492

 Action Type:
 RESPONSE

 Date:
 02/15/2012

Action: Monitoring Report - Semi-Annually - Regulator Responded

 Global Id:
 T0608100492

 Action Type:
 RESPONSE

 Date:
 05/31/2012

Action: Well Installation Report - Regulator Responded

 Global Id:
 T0608100492

 Action Type:
 ENFORCEMENT

 Date:
 07/06/1999

Action: Staff Letter - #19990706

 Global Id:
 T0608100492

 Action Type:
 ENFORCEMENT

 Date:
 03/09/2005

Action: Staff Letter - #20050309

 Global Id:
 T0608100492

 Action Type:
 Other

 Date:
 01/01/1950

 Action:
 Leak Reported

 Global Id:
 T0608100492

 Action Type:
 REMEDIATION

 Date:
 01/01/1950

 Action:
 Excavation

 Global Id:
 T0608100492

 Action Type:
 REMEDIATION

 Date:
 01/01/1950

 Action:
 Excavation

 Global Id:
 T0608100492

 Action Type:
 Other

 Date:
 01/01/1950

 Action:
 Leak Stopped

Global Id: T0608100492
Action Type: RESPONSE

Distance (ft.)Site Database(s) EPA ID Number

SHELL OIL CO (Continued)

Date: 08/14/2013

Action: Well Destruction Report - Regulator Responded

 Global Id:
 T0608100492

 Action Type:
 RESPONSE

 Date:
 04/14/2013

Action: Well Destruction Workplan - Regulator Responded

 Global Id:
 T0608100492

 Action Type:
 ENFORCEMENT

 Date:
 08/06/2013

Action: Closure/No Further Action Letter - #20130806

SAN MATEO CO. LUST:

Region: SAN MATEO
Facility ID: 550016
Facility Status: 9- Case Closed
Global ID: T0608100492
APN Number: 012102060

Case Type: SAN MATEO CO. LUST EDR Link ID: SAN MATEO CO. LUST

HIST UST:

Region: STATE
Facility ID: 00000056705
Facility Type: Gas Station
Other Type: Not reported

Total Tanks: 0004

Contact Name: SHELL OIL COMPANY

Telephone: 4155882213

Owner Name: SHELL OIL COMPANY
Owner Address: P.O. BOX 4848
Owner City,St,Zip: ANAHEIM, CA 92803

Tank Num: 001 Container Num: 1 Year Installed: 1968 Tank Capacity: 0008000 Tank Used for: **PRODUCT** UNLEADED Type of Fuel: Tank Construction: 1/4 inches Leak Detection: Stock Inventor, 10

Tank Num: 002 Container Num: 2 Year Installed: 1968 Tank Capacity: 0008000 Tank Used for: **PRODUCT** Type of Fuel: **REGULAR** Tank Construction: 1/4 inches Leak Detection: Stock Inventor, 10

Tank Num: 003 Container Num: 3 Year Installed: 1968 **EDR ID Number** 

1000288617

Map ID
Direction
EDR ID Number
Distance

Distance (ft.)Site Database(s) EPA ID Number

#### SHELL OIL CO (Continued)

Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Tank Construction: 1/4 inches
Leak Detection: Stock Inventor, 10

Tank Num: 004
Container Num: 4
Year Installed: 1968
Tank Capacity: 00000550
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Tank Construction: 12 gauge
Leak Detection: Stock Inventor, 10

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UNOCAL SERVICE STATION #4524 901 AIRPORT

SOUTH SAN FRANCI, CA 94080

HIST CORTESE:

Region: CORTESE Facility County Code: 41
Reg By: LTNKA
Reg Id: 41-0621

LUST:

38

 Region:
 STATE

 Global Id:
 T0608100593

 Latitude:
 37.661530364

 Longitude:
 -122.404063155

 Case Type:
 LUST Cleanup Site

 Status:
 Completed - Case Closed

Status Date: 07/07/2011

Lead Agency: SAN MATEO COUNTY LOP

Case Worker: DGM

Local Agency: SAN MATEO COUNTY LOP

RB Case Number: 41-0621
LOC Case Number: 550005
File Location: Local Agency

Potential Media Affect: Other Groundwater (uses other than drinking water)

Potential Contaminants of Concern: Gasoline

Site History: Can be extracted from most recent report in Geotracker or at San

Mateo County offices if submitted prior to 2005. San Mateo County does not take responsibility for the accuracy of the statements made or any professional interpretations made in the referenced report.

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0608100593

Contact Type: Local Agency Caseworker

Contact Name: DENO MILANO

Organization Name: SAN MATEO COUNTY LOP
Address: 2000 ALAMEDA DE LAS PULGAS

City: SAN MATEO
Email: dmilano@smcgov.org

Phone Number: 6503726292

1000288617

S100179821

N/A

**CA HIST CORTESE** 

**CA LUST** 

CA Notify 65

Map ID Direction Distance Distance (ft.)Site

Distance
Distance (ft.)Site
Database(s) EPA ID Number

# UNOCAL SERVICE STATION #4524 (Continued)

S100179821

**EDR ID Number** 

Global Id: T0608100593

Contact Type: Regional Board Caseworker

Contact Name: UUU

Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)

Address: 1515 CLAY ST SUITE 1400

City: OAKLAND
Email: Not reported
Phone Number: Not reported

Status History:

Global Id: T0608100593

Status: Open - Case Begin Date

Status Date: 11/29/1989

Global Id: T0608100593

Status: Open - Verification Monitoring

Status Date: 11/29/1989

Global Id: T0608100593

Status: Completed - Case Closed

Status Date: 07/07/2011

Regulatory Activities:

 Global Id:
 T0608100593

 Action Type:
 RESPONSE

 Date:
 05/15/2011

Action: Monitoring Report - Annually

 Global Id:
 T0608100593

 Action Type:
 ENFORCEMENT

 Date:
 07/07/2011

Action: Closure/No Further Action Letter - #20110707

 Global Id:
 T0608100593

 Action Type:
 REMEDIATION

 Date:
 01/01/1950

 Action:
 Excavation

 Global Id:
 T0608100593

 Action Type:
 REMEDIATION

 Date:
 01/01/1950

Action: Pump & Treat (P&T) Groundwater

 Global Id:
 T0608100593

 Action Type:
 REMEDIATION

 Date:
 01/01/1950

Action: Pump & Treat (P&T) Groundwater

 Global Id:
 T0608100593

 Action Type:
 RESPONSE

 Date:
 08/10/2010

Action: Tank Removal Report / UST Sampling Report

 Global Id:
 T0608100593

 Action Type:
 RESPONSE

 Date:
 08/10/2010

Distance
Distance (ft.)Site
Database(s) EPA ID Number

# UNOCAL SERVICE STATION #4524 (Continued)

S100179821

**EDR ID Number** 

Action: Other Report / Document

 Global Id:
 T0608100593

 Action Type:
 RESPONSE

 Date:
 02/15/2007

Action: Monitoring Report - Other

 Global Id:
 T0608100593

 Action Type:
 ENFORCEMENT

 Date:
 09/08/2005

Action: Staff Letter - #20050908

 Global Id:
 T0608100593

 Action Type:
 ENFORCEMENT

 Date:
 11/01/2005

Action: Staff Letter - #20051101

 Global Id:
 T0608100593

 Action Type:
 RESPONSE

 Date:
 08/10/2010

Action: CAP/RAP - Other Report

 Global Id:
 T0608100593

 Action Type:
 ENFORCEMENT

 Date:
 04/18/2005

Action: Staff Letter - #20050418

 Global Id:
 T0608100593

 Action Type:
 ENFORCEMENT

 Date:
 05/08/2006

Action: Staff Letter - #20060508

 Global Id:
 T0608100593

 Action Type:
 ENFORCEMENT

 Date:
 07/23/2009

Action: Staff Letter - #20090723

 Global Id:
 T0608100593

 Action Type:
 ENFORCEMENT

 Date:
 05/12/2004

Action: Staff Letter - #20040512

 Global Id:
 T0608100593

 Action Type:
 ENFORCEMENT

 Date:
 01/11/2010

Action: Technical Correspondence / Assistance / Other - #20100111

 Global Id:
 T0608100593

 Action Type:
 Other

 Date:
 01/01/1950

 Action:
 Leak Discovery

 Global Id:
 T0608100593

 Action Type:
 RESPONSE

 Date:
 05/15/2008

Action: Monitoring Report - Annually

Map ID
Direction
Distance

Distance (ft.)Site Database(s) EPA ID Number

# UNOCAL SERVICE STATION #4524 (Continued)

S100179821

**EDR ID Number** 

 Global Id:
 T0608100593

 Action Type:
 REMEDIATION

 Date:
 01/01/1950

 Action:
 Excavation

 Global Id:
 T0608100593

 Action Type:
 RESPONSE

 Date:
 05/15/2010

Action: Monitoring Report - Annually

Global Id: T0608100593
Action Type: RESPONSE
Date: 12/21/2009

Action: Soil and Water Investigation Report

 Global Id:
 T0608100593

 Action Type:
 RESPONSE

 Date:
 08/04/2004

Action: Other Report / Document

Global Id: T0608100593
Action Type: RESPONSE
Date: 08/28/2006

Action: Soil and Water Investigation Report

 Global Id:
 T0608100593

 Action Type:
 RESPONSE

 Date:
 06/07/2006

Action: Electronic Reporting Submittal Due

 Global Id:
 T0608100593

 Action Type:
 RESPONSE

 Date:
 09/12/2007

Action: Electronic Reporting Submittal Due

 Global Id:
 T0608100593

 Action Type:
 RESPONSE

 Date:
 09/29/2008

Action: Soil and Water Investigation Workplan

 Global Id:
 T0608100593

 Action Type:
 ENFORCEMENT

 Date:
 03/12/2008

Action: Staff Letter - #20080312

 Global Id:
 T0608100593

 Action Type:
 ENFORCEMENT

 Date:
 05/06/2009

Action: Staff Letter - #20090506

 Global Id:
 T0608100593

 Action Type:
 ENFORCEMENT

 Date:
 05/16/2007

 Action:
 Verbal Enforcement

Global Id: T0608100593
Action Type: ENFORCEMENT

Map ID
Direction
Distance

Distance (ft.)Site Database(s) EPA ID Number

# UNOCAL SERVICE STATION #4524 (Continued)

S100179821

**EDR ID Number** 

Date: 05/09/2007

Action: Staff Letter - #20070509

 Global Id:
 T0608100593

 Action Type:
 ENFORCEMENT

 Date:
 02/23/1990

Action: Notice of Responsibility - #19900223

 Global Id:
 T0608100593

 Action Type:
 ENFORCEMENT

 Date:
 11/02/2004

Action: Staff Letter - #20041102

 Global Id:
 T0608100593

 Action Type:
 ENFORCEMENT

 Date:
 11/22/2010

Action: Staff Letter - #20101122

 Global Id:
 T0608100593

 Action Type:
 RESPONSE

 Date:
 01/31/2005

Action: Soil and Water Investigation Workplan

 Global Id:
 T0608100593

 Action Type:
 RESPONSE

 Date:
 08/08/2005

Action: Soil and Water Investigation Report

 Global Id:
 T0608100593

 Action Type:
 ENFORCEMENT

 Date:
 08/09/2010

Action: Staff Letter - #20100809

 Global Id:
 T0608100593

 Action Type:
 RESPONSE

 Date:
 12/31/2010

 Action:
 Correspondence

Global Id: T0608100593
Action Type: ENFORCEMENT
Date: 03/15/2011

Action: Staff Letter - #20110315

 Global Id:
 T0608100593

 Action Type:
 Other

 Date:
 01/01/1950

 Action:
 Leak Reported

 Global Id:
 T0608100593

 Action Type:
 ENFORCEMENT

 Date:
 05/04/2011

Action: Staff Letter - #20110504

 Global Id:
 T0608100593

 Action Type:
 ENFORCEMENT

 Date:
 06/16/2011

Action: Technical Correspondence / Assistance / Other - #20110616

Distance (ft.)Site Database(s) EPA ID Number

# UNOCAL SERVICE STATION #4524 (Continued)

S100179821

**EDR ID Number** 

 Global Id:
 T0608100593

 Action Type:
 ENFORCEMENT

 Date:
 05/04/2011

Action: Staff Letter - #20110504

 Global Id:
 T0608100593

 Action Type:
 RESPONSE

 Date:
 04/11/2008

Action: NPDES / WDR Reports

 Global Id:
 T0608100593

 Action Type:
 RESPONSE

 Date:
 05/15/2009

Action: Monitoring Report - Annually

 Global Id:
 T0608100593

 Action Type:
 RESPONSE

 Date:
 06/10/2011

Action: Well Destruction Report

SAN MATEO CO. LUST:

 Region:
 SAN MATEO

 Facility ID:
 550005

 Facility Status:
 9- Case Closed

 Global ID:
 T0608100593

 APN Number:
 012080710

Case Type: SAN MATEO CO. LUST EDR Link ID: SAN MATEO CO. LUST

Notify 65:

Date Reported: Not reported Staff Initials: Not reported Board File Number: Not reported Facility Type: Not reported Discharge Date: Not reported Incident Description: 94080

38 UNOCAL #4524 901 AIRPORT S SAN FRANCISCO, CA 94080 CA LUST U003715650 CA SWEEPS UST N/A CA San Mateo Co. BI

LUST REG 2:

Region: 2

Facility Id: Not reported

Facility Status: Post remedial action monitoring

Case Number: 550005
How Discovered: PS
Leak Cause: Unknown
Leak Source: Unknown
Date Leak Confirmed: Not reported
Oversight Program: LUST

Prelim. Site Assesment Wokplan Submitted: Not reported Preliminary Site Assesment Began: Not reported Pollution Characterization Began: Not reported Pollution Remediation Plan Submitted: Not reported Date Remediation Action Underway: Not reported

Distance (ft.)Site Database(s) EPA ID Number

#### **UNOCAL #4524 (Continued)**

U003715650

**EDR ID Number** 

Date Post Remedial Action Monitoring Began: 1/1/1965

SWEEPS UST:

Status: Active Comp Number: 550092 Number: 9

Not reported Board Of Equalization: 04-20-94 Referral Date: Action Date: 04-20-94 Created Date: 10-13-88 Owner Tank Id: Not reported SWRCB Tank Id: Not reported Not reported Tank Status: Capacity: Not reported Active Date: Not reported Not reported Tank Use: STG: Not reported Content: Not reported Number Of Tanks: Not reported

San Mateo Co. BI:

Region: SAN MATEO Facility ID: FA0017751

Prog Element Code: GENERATES <27 GAL/YEAR

Record Id: PR0011623

Description: GENERATES <27 GAL/YEAR

Region: SAN MATEO
Facility ID: FA0017751
Prog Element Code: RECYCLER
Record Id: PR0038065
Description: RECYCLER

Region: SAN MATEO Facility ID: FA0017751

Prog Element Code: STORES MV FUELS OR WASTE ONLY

Record Id: PR0042848

Description: STORES MV FUELS OR WASTE ONLY

Region: SAN MATEO Facility ID: FA0017751

Prog Element Code: UNDERGROUND TANK - GENERAL

Record Id: PR0022631

Description: UNDERGROUND TANK - GENERAL

Region: SAN MATEO Facility ID: FA0027943

Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT

Record Id: PR0045892

Description: GENERATES & RECYCLES WASTE OIL/SOLVENT

Region: SAN MATEO Facility ID: FA0027943

Prog Element Code: STORES MV FUELS OR WASTE ONLY

Record Id: PR0045893

Description: STORES MV FUELS OR WASTE ONLY

Map ID Direction Distance Distance (ft.)Site

ection EDR ID Number

Database(s) EPA ID Number

UNOCAL #4524 (Continued)

U003715650

Region: SAN MATEO Facility ID: FA0038710

Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT

Record Id: PR0055103

Description: GENERATES & RECYCLES WASTE OIL/SOLVENT

Region: SAN MATEO Facility ID: FA0038710

Prog Element Code: STORES MV FUELS OR WASTE ONLY

Record Id: PR0055102

Description: STORES MV FUELS OR WASTE ONLY

Region: SAN MATEO Facility ID: FA0045123

Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT

Record Id: PR0057794

Description: GENERATES & RECYCLES WASTE OIL/SOLVENT

Region: SAN MATEO Facility ID: FA0045123

Prog Element Code: STORES MV FUELS OR WASTE ONLY

Record Id: PR0057793
Description: STORES MV FUELS OR WASTE ONLY

·

39 BROADWAY REAL ESTATE SVC 701 GATEWAY CA San Mateo Co. BI S113757346

N/A

SOUTH SAN FRANCISCO, CA 94080

San Mateo Co. BI:

Region: SAN MATEO Facility ID: FA0025525

Prog Element Code: STORES HAZ MAT <219GAL,1,999LB, 879FT3
Record Id: PR0034229
Description: STORES HAZ MAT <219GAL,1,999LB, 879CF

39 HOMART DEVELOPMENT CORP. 801 GATEWAY BOULEVARD SOUTH SAN FRANCISCO, CA 94080 CA DEED S106499154
CA VCP N/A
CA ENVIROSTOR

DEED:

Area: PROJECT WIDE Sub Area: Not reported

Site Type: VOLUNTARY CLEANUP

Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY

Agency: Not reported Covenant UploadeNot reported Deed Date(s): 03/29/1991 EDR Link ID: 41330007

Area: PROJECT WIDE Sub Area: Not reported

Site Type: VOLUNTARY CLEANUP

Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY

Agency: Not reported Covenant UploadeNot reported Deed Date(s): 08/07/1984

Map ID
Direction
EDR ID Number

Distance (ft.)Site Database(s) EPA ID Number

#### **HOMART DEVELOPMENT CORP. (Continued)**

S106499154

EDR Link ID: 41330007

Area: PROJECT WIDE Sub Area: Not reported

Site Type: VOLUNTARY CLEANUP

Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY

Agency: Not reported Covenant UploadeNot reported Deed Date(s): 11/08/2000 EDR Link ID: 41330007

VCP:

Distance

Facility ID: 41330007
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup

Site Mgmt. Req.: DAY, ELD, HOS, NOWN, SCH, FOOD, RES, DAY, ELD, HOS, LUC, NOWN, NSUB,

SCH, FOOD, RES

Acres: 16.8
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP

Lead Agency Description: DTSC - Site Cleanup Program

Project Manager: Claude Jemison
Supervisor: Mark Piros
Division Branch: Cleanup Berkeley

 Site Code:
 200115

 Assembly:
 22

 Senate:
 13

Special Programs Code: Voluntary Cleanup Program

Status: Certified O&M - Land Use Restrictions Only

Status Date: 11/08/2000 Restricted Use: YES

Funding: Responsible Party
Lat/Long: 37.6525 / -122.4027
APN: 015-024-450-7

Past Use: MANUFACTURING - METAL

Potential COC: 30013, 30018, 3002502, 30152, 30407, 30594 Confirmed COC: 30018,30152,30407,30013,3002502,30594

Potential Description: SOIL

Alias Name: BETHLEHEM STEEL - HOMART DEVELOPMENT

Alias Type: Alternate Name

Alias Name: EDWARDS WIRE & ROPE - HOMART DEVELOPMENT

Alias Type: Alternate Name

Alias Name: HOMART DEVELOPMENT CORP/LOT 9

Alias Type: Alternate Name
Alias Name: 015-024-450-7

Alias Type: APN

Alias Name: CAT080029812

Alias Type: EPA Identification Number

 Alias Name:
 110002955516

 Alias Type:
 EPA (FRS #)

 Alias Name:
 110033614925

 Alias Type:
 EPA (FRS #)

 Alias Name:
 SLT2O326216

 Alias Type:
 GeoTracker Global ID

Alias Name: P23008 Alias Type: PCode

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

## **HOMART DEVELOPMENT CORP. (Continued)**

S106499154

**EDR ID Number** 

Alias Name: 200115

Alias Type: Project Code (Site Code)

Alias Name: 41330007

Alias Type: Envirostor ID Number

Alias Name: 41330052

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Land Use Restriction - Site Inspection/Visit

Completed Date: 01/10/2007 Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 11/01/1983

Comments: Certified Site. An unspecified amount of contaminated soil was

removed. Althought this site has been certified, the Department routinely monitors it and has classified it as a site in Operation and Maintenance (O&M). This certification was confirmed by a report prepared by the Auditor General. The Auditor General conducted an audit of the Department's records to confirm a list of sites where the Department was involved in the cleanup and the cleanup had been completed. This Auditor General list became the basis for our historical certification information. Many of the sites on this list were handled by our Surveillance and Enforcement Staff. Much of this work was in response to complaints from the public or reports from industry and the response action may have only addressed the

indicate the actual date this site was certified. Our records show 11/1983. We have used the date 11/01/1983 because this gives us the earliest statute of limitations.

immediate problem and not the entire facility. Our records do not

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Voluntary Cleanup Consultation

Completed Date: 02/09/1999
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Land Use Restriction - Site Inspection/Visit

Completed Date: 12/24/2007

Comments: The cap is in good condition.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Land Use Restriction - Amendment

Completed Date: 11/08/2000

Comments: Modified Deed Restriction to restrict only two areas (parcels 4 and 5

of lot 9 and parcel 1 of lot 1) and removing the rest of the parcels

from the land use covenants.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Voluntary Cleanup Agreement

Map ID Direction Distance

Distance
Distance (ft.)Site
Database(s) EPA ID Number

## **HOMART DEVELOPMENT CORP. (Continued)**

S106499154

**EDR ID Number** 

Completed Date: 01/26/1998

Comments: Signed VCA. In the late 1990s, the site went through extensive

development that resulted in contamination being consolidated onto fewer parcels than originally included in the 1991 land use covenants (deed restrictions). This resulted in the re-evaluation of the areas

subject to the land use covenants.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
O4/26/1991
Comments: Certified Site.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Land Use Restriction - Amendment

Completed Date: 03/29/1991

Comments: Re-recorded Deed Restriction filed on August 14, 1984 for Lots 1,

2,4, 5, 6 & 7 and Parcels 3A, 3C and 8A and 8B.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: \* Discovery
Completed Date: 08/01/1980
Comments: Site Discovery.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction

Completed Date: 08/07/1984 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Site Inspections/Visit (Non LUR)

Completed Date: 11/16/2004 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Land Use Restriction - Release/Rescission

Completed Date: 10/09/2001 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Land Use Restriction - Site Inspection/Visit

Completed Date: 03/23/2009

Comments: The capped area is currently the location of a commercial building ,

and adjacent walkways and asphalt parking lot located in a business park. Upon inspection, the perimeter of the building, surrounding walkways and asphalt parking lot appeared to be in very good condition, with no visible signs of cracking or deterioration.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

## **HOMART DEVELOPMENT CORP. (Continued)**

Completed Date: 04/09/2002

Comments: DTSC send a letter clarifying the status of Lot 9 after modifications

to the land use restrictions and conveying that no further action was

required.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: \* Land Use Restriction Monitoring Report

Completed Date: 10/07/2010 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Land Use Restriction - Site Inspection/Visit

Completed Date: 10/07/2010

Comments: The capped area is currently the location of a commercial building,

and adjacent walkways and asphalt parking lot located in a business park. Upon inspection by DTSC staff, the perimeter of the building, surrounding walkways and asphalt parking lot appeared to be in very good condition, with no visible signs of cracking or deterioration.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Land Use Restriction - Site Inspection/Visit

Completed Date: 02/27/2012

Comments: DTSC conducted its annual site visit to check the condition of the

cap over contaminated soil and to verify compliance with the deed restriction. The perimeter of the building, surrounding walkways and asphalt parking lot east of the 681 Gateway building appeared to be

in very good condition, with no visible signs of cracking or

deterioration.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Land Use Restriction - Site Inspection/Visit

Completed Date: 04/10/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 04/09/2002

Comments: DTSC send a letter clarifying the status of Lot 1 after modifications

to the land use restrictions and conveying that no further action was

required.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 04/26/2002

Comments: Letter on behalf of Sears Development Co. terminating January 26,

1998 Voluntary Cleanup Agreement with DTSC.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: 5 Year Review Reports

Completed Date: 01/11/2006

**EDR ID Number** 

S106499154

Map ID
Direction
Distance

Distance (ft.)Site Database(s) EPA ID Number

### **HOMART DEVELOPMENT CORP. (Continued)**

S106499154

**EDR ID Number** 

Comments: DTSC approved the Five Year Review Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan

Completed Date: 03/04/1991 Comments: Approved RAP.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Remedial Action Completion Report

Completed Date: 04/12/1989

Comments: Homart removed and disposed soil and above-ground structures and

equipment. In order to prevent further transport of metal

contaminated soils, a minimum of one-foot permeable, clean, compacted

soil was placed on affected parcels of the site. After monitoring for several months, the pH of the groundwater returned to neutral.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Removal Action Completion Report

Completed Date: 09/07/1982 Comments: Completed RA.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: 5 Year Review Reports

Completed Date: 11/01/2010

Comments: The capped area is currently the location of a commercial building,

and adjacent walkways and asphalt parking lot located in a business park. Upon inspectionby DTSC, the perimeter of the building, surrounding walkways and asphalt parking lot were observed to be in

very good condition, with no visible signs of cracking or

deterioration.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Design/Implementation Workplan

Completed Date: 01/04/1985

Comments: Remedial Design Workplan

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Preliminary Endangerment Assessment Report

Completed Date: 03/01/1988

Comments: Preliminary Assessment prepared by DHS.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/13/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Remedial Investigation Report

Completed Date: 08/23/1989

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

## **HOMART DEVELOPMENT CORP. (Continued)**

S106499154

**EDR ID Number** 

Comments: Phasee II Investigation for 3.5 acre portion of 5/5A Gateway Parcel

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/27/1997

Comments: Phase I Environmental Site Assessment for Lot 9 and Parcel 2B, The

Gateway

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/13/2006

Comments: Letter Report for construction activities at 681 Gateway Blvd.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/10/1998

Comments: Soil sampling analysis as part of re-evalation of need for land use

restrictions

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 01/12/2011
Comments: Not reported

Future Area Name: PROJECT WIDE Future Sub Area Name: Not reported

Future Document Type: 5 Year Review Reports

Future Due Date: 2015
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

ENVIROSTOR:

Facility ID: 41330007

Status: Certified O&M - Land Use Restrictions Only

 Status Date:
 11/08/2000

 Site Code:
 200115

Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup

Acres: 16.8
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Claude Jemison
Supervisor: Mark Piros
Division Branch: Cleanup Berkeley

Assembly: 22 Senate: 13

Special Program: Voluntary Cleanup Program

Restricted Use: YES

Site Mgmt Req: DAY, ELD, HOS, NOWN, SCH, FOOD, RES, DAY, ELD, HOS, LUC, NOWN, NSUB,

Map ID Direction Distance Distance (ft.)Site

irection EDR ID Number

## **HOMART DEVELOPMENT CORP. (Continued)**

S106499154

**EPA ID Number** 

Database(s)

SCH, FOOD, RES

Funding: Responsible Party

Latitude: 37.6525 Longitude: -122.4027 APN: 015-024-450-7

Past Use: MANUFACTURING - METAL

Potential COC: Lead Polychlorinated biphenyls (PCBs TPH-MOTOR OIL Chromium III

Nickel Zinc

Confirmed COC: Polychlorinated biphenyls (PCBs Chromium III Nickel Lead TPH-MOTOR

OIL Zinc

Potential Description: SOIL

Alias Name: BETHLEHEM STEEL - HOMART DEVELOPMENT

Alias Type: Alternate Name

Alias Name: EDWARDS WIRE & ROPE - HOMART DEVELOPMENT

Alias Type: Alternate Name

Alias Name: HOMART DEVELOPMENT CORP/LOT 9

Alias Type: Alternate Name
Alias Name: 015-024-450-7

Alias Type: APN

Alias Name: CAT080029812

Alias Type: EPA Identification Number

 Alias Name:
 110002955516

 Alias Type:
 EPA (FRS #)

 Alias Name:
 110033614925

 Alias Type:
 EPA (FRS #)

 Alias Name:
 SLT2O326216

 Alias Type:
 GeoTracker Global ID

Alias Name: P23008
Alias Type: PCode
Alias Name: 200115

Alias Type: Project Code (Site Code)

Alias Name: 41330007

Alias Type: Envirostor ID Number

Alias Name: 41330052

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Land Use Restriction - Site Inspection/Visit

Completed Date: 01/10/2007 Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 11/01/1983

Comments: Certified Site. An unspecified amount of contaminated soil was

removed. Althought this site has been certified, the Department routinely monitors it and has classified it as a site in Operation and Maintenance (O&M). This certification was confirmed by a report prepared by the Auditor General. The Auditor General conducted an audit of the Department's records to confirm a list of sites where the Department was involved in the cleanup and the cleanup had been completed. This Auditor General list became the basis for our historical certification information. Many of the sites on this list were handled by our Surveillance and Enforcement Staff. Much of this work was in response to complaints from the public or reports from

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

# **HOMART DEVELOPMENT CORP. (Continued)**

S106499154

**EDR ID Number** 

industry and the response action may have only addressed the immediate problem and not the entire facility. Our records do not indicate the actual date this site was certified. Our records show 11/1983. We have used the date 11/01/1983 because this gives us the

earliest statute of limitations.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Voluntary Cleanup Consultation

Completed Date: 02/09/1999
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Land Use Restriction - Site Inspection/Visit

Completed Date: 12/24/2007

Comments: The cap is in good condition.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Land Use Restriction - Amendment

Completed Date: 11/08/2000

Comments: Modified Deed Restriction to restrict only two areas (parcels 4 and 5

of lot 9 and parcel 1 of lot 1) and removing the rest of the parcels

from the land use covenants.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Voluntary Cleanup Agreement

Completed Date: 01/26/1998

Comments: Signed VCA. In the late 1990s, the site went through extensive

development that resulted in contamination being consolidated onto fewer parcels than originally included in the 1991 land use covenants (deed restrictions). This resulted in the re-evaluation of the areas

subject to the land use covenants.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
04/26/1991
Comments: Certified Site.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Land Use Restriction - Amendment

Completed Date: 03/29/1991

Comments: Re-recorded Deed Restriction filed on August 14, 1984 for Lots 1,

2,4, 5, 6 & 7 and Parcels 3A, 3C and 8A and 8B.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: \* Discovery
Completed Date: 08/01/1980
Comments: Site Discovery.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Distance (ft.)Site Database(s) EPA ID Number

## **HOMART DEVELOPMENT CORP. (Continued)**

S106499154

**EDR ID Number** 

Completed Document Type: Land Use Restriction

Completed Date: 08/07/1984 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Site Inspections/Visit (Non LUR)

Completed Date: 11/16/2004 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Land Use Restriction - Release/Rescission

Completed Date: 10/09/2001 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Land Use Restriction - Site Inspection/Visit

Completed Date: 03/23/2009

Comments: The capped area is currently the location of a commercial building,

and adjacent walkways and asphalt parking lot located in a business park. Upon inspection, the perimeter of the building, surrounding walkways and asphalt parking lot appeared to be in very good condition, with no visible signs of cracking or deterioration.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 04/09/2002

Comments: DTSC send a letter clarifying the status of Lot 9 after modifications

to the land use restrictions and conveying that no further action was

required.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: \* Land Use Restriction Monitoring Report

Completed Date: 10/07/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Land Use Restriction - Site Inspection/Visit

Completed Date: 10/07/2010

Comments: The capped area is currently the location of a commercial building,

and adjacent walkways and asphalt parking lot located in a business park. Upon inspection by DTSC staff, the perimeter of the building, surrounding walkways and asphalt parking lot appeared to be in very good condition, with no visible signs of cracking or deterioration.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Land Use Restriction - Site Inspection/Visit

Completed Date: 02/27/2012

Comments: DTSC conducted its annual site visit to check the condition of the

cap over contaminated soil and to verify compliance with the deed restriction. The perimeter of the building, surrounding walkways and

Map ID
Direction
Distance

Distance (ft.)Site Database(s) EPA ID Number

## **HOMART DEVELOPMENT CORP. (Continued)**

S106499154

**EDR ID Number** 

asphalt parking lot east of the 681 Gateway building appeared to be

in very good condition, with no visible signs of cracking or

deterioration.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Land Use Restriction - Site Inspection/Visit

Completed Date: 04/10/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 04/09/2002

Comments: DTSC send a letter clarifying the status of Lot 1 after modifications

to the land use restrictions and conveying that no further action was

required.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 04/26/2002

Comments: Letter on behalf of Sears Development Co. terminating January 26,

1998 Voluntary Cleanup Agreement with DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Completed Document Type: 5 Year Review Reports

Completed Date: 01/11/2006

Comments: DTSC approved the Five Year Review Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan

Completed Date: 03/04/1991 Comments: Approved RAP.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Remedial Action Completion Report

Completed Date: 04/12/1989

Comments: Homart removed and disposed soil and above-ground structures and

equipment. In order to prevent further transport of metal

contaminated soils, a minimum of one-foot permeable, clean, compacted

soil was placed on affected parcels of the site. After monitoring for several months, the pH of the groundwater returned to neutral.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Removal Action Completion Report

Completed Date: 09/07/1982 Comments: Completed RA.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: 5 Year Review Reports

Completed Date: 11/01/2010

Map ID
Direction
Distance

Distance (ft.)Site Database(s) EPA ID Number

## **HOMART DEVELOPMENT CORP. (Continued)**

S106499154

**EDR ID Number** 

Comments: The capped area is currently the location of a commercial building,

and adjacent walkways and asphalt parking lot located in a business park. Upon inspectionby DTSC, the perimeter of the building, surrounding walkways and asphalt parking lot were observed to be in

very good condition, with no visible signs of cracking or

deterioration.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Design/Implementation Workplan

Completed Date: 01/04/1985

Comments: Remedial Design Workplan

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Preliminary Endangerment Assessment Report

Completed Date: 03/01/1988

Comments: Preliminary Assessment prepared by DHS.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/13/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Remedial Investigation Report

Completed Date: 08/23/1989

Comments: Phasee II Investigation for 3.5 acre portion of 5/5A Gateway Parcel

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/27/1997

Comments: Phase I Environmental Site Assessment for Lot 9 and Parcel 2B, The

Gateway

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/13/2006

Comments: Letter Report for construction activities at 681 Gateway Blvd.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/10/1998

Comments: Soil sampling analysis as part of re-evalation of need for land use

restrictions

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 01/12/2011
Comments: Not reported

Direction EDR ID Number

Distance (ft.)Site Database(s) EPA ID Number

**HOMART DEVELOPMENT CORP. (Continued)** 

Future Area Name: PROJECT WIDE Future Sub Area Name: Not reported

Future Document Type: 5 Year Review Reports

Future Due Date: 2015
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

39 HOMART DEV CO (BETHLEHEM STEEL)

39 HOMART DEV CO (BETHLEHEM STEEL) 430 INDUSTRIAL WAY SOUTH SAN FRANCISCO, CA 94080

CERC-NFRAP:

Site ID: 0902700

Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL

Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

**CERCLIS-NFRAP Site Contact Details:** 

Contact Sequence ID: 13285899.00000
Person ID: 13003854.00000

Contact Sequence ID: 13291494.00000 Person ID: 13003858.00000

Contact Sequence ID: 13297352.00000 Person ID: 13004003.00000

CERCLIS-NFRAP Site Alias Name(s):

Alias Name: BETHLEHEM STEEL S SAN FRANCISCO PLT

Alias Address: 480 INDUSTRIAL WAY

S SAN FRANCISCO, CA 94080

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY
Date Started: / /
Date Completed: 12/01/80

Date Completed: 12/01/80
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT

Date Started: / /

Date Completed: 11/01/81

Priority Level: Low priority for further assessment

Action: PRELIMINARY ASSESSMENT

Date Started: / /

Date Completed: 09/01/88

Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

Action: ARCHIVE SITE

Date Started: / /
Date Completed: 09/01/88
Priority Level: Not reported

S106499154

1015732952

CAT080029812

**CERC-NFRAP** 

RCRA-SQG

rection EDR ID Number

## HOMART DEV CO (BETHLEHEM STEEL) (Continued)

1015732952

**EPA ID Number** 

Database(s)

RCRA-SQG:

Date form received by agency: 09/01/1996

Facility name: HOMART DEVELOPMENT CO

Facility address: 480 INDUSTRIAL WAY

SOUTH SAN FRANCISCO, CA 94080

EPA ID: CAT080029812
Mailing address: INDUSTRIAL WAY

SOUTH SAN FRANCISCO, CA 94080

Contact: Not reported
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: Not reported
Contact email: Not reported

EPA Region: 09

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous

waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of

hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: HOMART DEV CO
Owner/operator address: NOT REQUIRED

NOT REQUIRED, ME 99999

Owner/operator country:

Owner/operator telephone:

Legal status:

Owner/Operator Type:

Owner/Op start date:

Owner/Op end date:

Not reported

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

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: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: Nο Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No

Map ID **EDR ID Number** Direction Distance

Distance (ft.)Site Database(s) **EPA ID Number** 

### HOMART DEV CO (BETHLEHEM STEEL) (Continued)

Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Violation Status: No violations found

**OYSTER POINT INTER AREA 1** 39 **OYSTER POINT BLVD** 

**SOUTH SAN FRANCISCO, CA 94080** 

RCRA-SQG 1000857515 CA WDS CAD983669524

1015732952

**CA HIST CORTESE CA CHMIRS CALDS CA ENF CA HAZNET** 

RCRA-SQG:

Date form received by agency: 09/01/1996

Facility name: **OYSTER POINT INTER AREA 1** 

Facility address: OYSTER POINT BLVD

EAST OF US 101

SOUTH SAN FRANCISCO, CA 94080

EPA ID: CAD983669524 Contact: Not reported Contact address: Not reported Not reported Not reported Contact country:

Contact telephone: Not reported Contact email: Not reported

EPA Region:

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous

waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of

hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: CITY OF SOUTH SAN FRANCISCO 400 GRAND AVE ATTN: JOHN GIBBS Owner/operator address: SOUTH SAN FRANCISCO, CA 94080

Not reported

Owner/operator country: Owner/operator telephone: (415) 615-0177 Legal status: Municipal 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: No 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

virection EDR ID Number

### OYSTER POINT INTER AREA 1 (Continued)

1000857515

**EPA ID Number** 

Database(s)

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

CA WDS:

Distance (ft.)Site

Facility ID: San Francisco Bay 417061001

Facility Type: Solid Waste Site-Class III - Landfills for non hazardous solid wastes.

Facility Status: Active - Any facility with a continuous or seasonal discharge that is

under Waste Discharge Requirements.

NPDES Number: Not reported Subregion: 2
Facility Telephone: Not reported Facility Contact: Not reported

Agency Name: SOUTH SAN FRANCISCO CITY OF

Agency Address: Not reported

Agency City, St, Zip: SOUTH SAN FRANCISCO 0

Agency Contact: Not reported
Agency Telephone: Not reported
Agency Type: City
SIC Code: 4953
SIC Code 2: Not reported

Primary Waste Type: Nonhazardous Solid Wastes/Influent or Solid Wastes that contain

nonhazardous putrescible and non putrescible solid, semisolid, and liquid wastes (E.G., garbage, trash, refuse, paper, demolition and construction wastes, manure, vegetable or animal solid and semisolid

waste).

Primary Waste: SLDWST
Waste Type2: Not reported
Waste2: Solid Wastes

Primary Waste Type: Nonhazardous Solid Wastes/Influent or Solid Wastes that contain

nonhazardous putrescible and non putrescible solid, semisolid, and liquid wastes (E.G., garbage, trash, refuse, paper, demolition and construction wastes, manure, vegetable or animal solid and semisolid

waste).

Secondary Waste: Not reported Secondary Waste Type: Not reported

Design Flow: 0
Baseline Flow: 0

Reclamation: No reclamation requirements associated with this facility.

POTW: The POTW Does not have an approved pretreatment program. Some POTWs

may have local pretreatment programs that have not been approved by

the regional board and/or EPA.

Treat To Water: Minor Threat to Water Quality. A violation of a regional board order

should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to

represent no threat to water quality.

Complexity: Category B - Any facility having a physical, chemical, or biological

waste treatment system (except for septic systems with subsurface disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum

products, solid wastes, and sewage pump out facilities.

Distance (ft.)Site Database(s) EPA ID Number

## OYSTER POINT INTER AREA 1 (Continued)

1000857515

**EDR ID Number** 

HIST CORTESE:

Region: CORTESE Facility County Code: 41 Reg By: CALSI Reg Id: 41490033

CHMIRS:

**OES Incident Number:** 99-5301 OES notification: 12/15/1999 OES Date: Not reported OES Time: Not reported Incident Date: Not reported **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?:
Resp Agncy Personel # Of Decontaminated:
Responding Agency Personel # Of Injuries:
Responding Agency Personel # Of Fatalities:
Others Number Of Decontaminated:
Others Number Of Injuries:
Others Number Of Fatalities:
Not reported
Not reported
Not reported
Not reported

Vehicle Make/year: Not reported Not reported Vehicle License Number: Vehicle State: Not reported Vehicle Id Number: Not reported CA/DOT/PUC/ICC Number: Not reported Not reported Company Name: Reporting Officer Name/ID: Not reported Report Date: Not reported Comments: Not reported Facility Telephone: Not reported Waterway Involved: Yes

Waterway: San Francisco Bay Spill Site: Not reported Cleanup By: Reporting Party Containment: Not reported What Happened: Not reported Type: Not reported Measure: Not reported Other: Not reported Date/Time: Not reported 1999 Year:

Agency: City of South San Francisco Incident Date: 12/15/199912:00:00 AM

Admin Agency: San Mateo County Environmental Health

Amount: Not reported

Contained: No

Site Type: Treatment/Sewage Facility

E Date: Not reported

irection EDR ID Number

### **OYSTER POINT INTER AREA 1 (Continued)**

1000857515

**EPA ID Number** 

Database(s)

Substance: Chlorinated Effluent
Quantity Released: Not reported
BBLS: 0
Cups: 0

CUFT: 0 Gallons: 0 Grams: 0 Pounds: 0 Liters: 0 Ounces: 0 Pints: 0 0 Quarts: Sheen: 0 Tons: 0 Unknown: 0 Evacuations: 0 Number of Injuries: 0 Number of Fatalities: 0

Description: Sodium bisulfate crystalized in the pipes because of a bad heater and

the cold weather last night. Residuals at 0828 was .6 chlorine, 0833 residual was 1.75, at 0836 it was 1.25 and at 0901 it was 26.1 sodium

Bisulfide.

LDS:

Global Id: L10009323371
Latitude: Not reported
Longitude: Not reported
Case Type: Land Disposal Site

Status: Open Status Date: 01/01/1965

Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)

Caseworker: VP

Local Agency: Not reported RB Case Number: 2 417061001 LOC Case Number: Not reported File Location: Not reported Potential Media Affect: Not reported EDR Link ID: L10009323371 Potential Contaminants of Concern: Not reported Site History: Not reported

Click here to access the California GeoTracker records for this facility:

ENF:

Region: 2 Facility Id: 246395

Agency Name: South San Francisco City
Place Type: Waste Management Unit

Place Subtype: Land fil

Facility Type: Solid Waste Class III - nonhazardous solid wastes

Agency Type: City Agency

# Of Agencies:

Place Latitude: Not reported Place Longitude: Not reported

Distance
Distance (ft.)Site
Database(s) EPA ID Number

## OYSTER POINT INTER AREA 1 (Continued)

1000857515

**EDR ID Number** 

SIC Code 1: 4953

SIC Desc 1: Refuse Systems 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:

Source Of Facility: Reg Meas
Design Flow: 0.0001
Threat To Water Quality: 3
Complexity: B

Pretreatment: N - POTW does not have EPA approved pretreatment prog.

Facility Waste Type:

Facility Waste Type 2:

Facility Waste Type 3:

Facility Waste Type 3:

Facility Waste Type 4:

Program:

Program Category1:

Program Category2:

# Of Programs:

Solid wastes, NEC

Not reported

Not reported

LENONOPER

LENDISP

LNDISP

LNDISP

# Of Programs:

1

WDID: 2 417061001

Reg Measure Id: 148229

Reg Measure Type: WDR

Region: Not reported Order #: 00-046 Npdes# CA#: Not reported Major-Minor: Not reported Npdes Type: Not reported N - No Reclamation: Not reported Dredge Fill Fee: 301H: Not reported Application Fee Amt Received: Not reported Status: Active Status Date: 02/04/2014

WDR Review - Amend:
WDR Review - Revise/Renew:
WDR Review - Rescind:
WDR Review - No Action Required:
WDR Review - Pending:
WDR Review - Planned:
Not reported
Not reported
Not reported

Status Enrollee: Notation Individual/General: I

Effective Date:

Termination Date:

Expiration/Review Date:

Fee Code: 59 - Land Disposal Site not paying tipping fee

06/21/2000

06/21/2010

Not reported

Direction/Voice: Passive
Enforcement Id(EID): 248116
Region: 2
Order / Resolution Number: UNKNOWN

Enforcement Action Type: Staff Enforcement Letter

Distance (ft.)Site Database(s) EPA ID Number

## OYSTER POINT INTER AREA 1 (Continued)

1000857515

**EDR ID Number** 

Effective Date: 08/19/2002
Adoption/Issuance Date: Not reported
Achieve Date: Not reported
Termination Date: Not reported
ACL Issuance Date: Not reported
EPL Issuance Date: Not reported
Status: Historical

Title: Enforcement - 2 417061001

Description: Staff Enforcement Letter requiring addendum to Final

Closure and Post-Closure Maintenance Plan to address issues

with landfill cover.

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

HAZNET:

Year: 2004

Gepaid: CAD983669524

Contact: CITY OF SOUTH SAN FRANCISCO

Telephone: 4156080178
Mailing Name: Not reported
Mailing Address: 400 GRAND AVE

Mailing City, St, Zip: SOUTH SAN FRANCISCO, CA 940801910

Gen County: Not reported
TSD EPA ID: CAT000646117
TSD County: Not reported

Waste Category: Contaminated soil from site clean-up

Disposal Method: Not reported Tons: 30.34 San Mateo

Year: 2004

Gepaid: CAD983669524

Contact: CITY OF SOUTH SAN FRANCISCO

Telephone: 4156080178
Mailing Name: Not reported
Mailing Address: 400 GRAND AVE

Mailing City, St, Zip: SOUTH SAN FRANCISCO, CA 940801910

Gen County: Not reported TSD EPA ID: CAT000646117 TSD County: Not reported

Waste Category: Contaminated soil from site clean-up

Disposal Method: Disposal, Land Fill

Tons: 546.13 Facility County: San Mateo

Year: 1999

Gepaid: CAD983669524

Contact: CITY OF SOUTH SAN FRANCISCO

Telephone: 4156080178

irection EDR ID Number

OYSTER POINT INTER AREA 1 (Continued)

1000857515

**EPA ID Number** 

Database(s)

Mailing Name: Not reported
Mailing Address: 400 GRAND AVE

Mailing City, St, Zip: SOUTH SAN FRANCISCO, CA 940801910

Gen County: Not reported
TSD EPA ID: CAT000646117
TSD County: Not reported

Waste Category: Other inorganic solid waste

Disposal Method: Disposal, Land Fill

Tons: 45.5112 Facility County: San Mateo

Year: 1999

Gepaid: CAD983669524

Contact: CITY OF SOUTH SAN FRANCISCO

Telephone: 4156080178
Mailing Name: Not reported
Mailing Address: 400 GRAND AVE

Mailing City, St, Zip: SOUTH SAN FRANCISCO, CA 940801910

Gen County: Not reported
TSD EPA ID: CAT000646117
TSD County: Not reported

Waste Category: Contaminated soil from site clean-up

Disposal Method: Not reported Tons: 15.1704 Facility County: San Mateo

Year: 1998

Gepaid: CAD983669524

Contact: CITY OF SOUTH SAN FRANCISCO

Telephone: 4156080178
Mailing Name: Not reported
Mailing Address: 400 GRAND AVE

Mailing City, St, Zip: SOUTH SAN FRANCISCO, CA 940801910

Gen County: Not reported
TSD EPA ID: UTC093012201
TSD County: Not reported

Waste Category: Contaminated soil from site clean-up

Disposal Method: Not reported 20.0000 Facility County: San Mateo

<u>Click this hyperlink</u> while viewing on your computer to access 3 additional CA\_HAZNET: record(s) in the EDR Site Report.

### 39 HOMART DEVELOPMENT CORP/EDWARDS WIRE & ROPE 480 INDUSTRIAL WAY SOUTH SAN FRANCISCO, CA 94080

CA BOND EXP. PLAN \$100833559 N/A

CA BOND EXP. PLAN:

Reponsible Party: COST RECOVERY/OPERATION AND MAINTENANCE SITE

Project Revenue Source Company: Not reported Project Revenue Source Addr: Not reported Project Revenue Source City, St, Zip: Not reported

Project Revenue Source Desc: Homart Development Co. owns the property and has paid for all cleanup costs to

date.

Site Description: The property is composed of a number of subareas where different activities

took place. Contaminated areas include heavy metal contaminated soil and slag areas, oil shed areas, oil tanks, acid sewage basin, acid sewage pond, and

Map ID
Direction
EDR ID Number
Distance

Distance (ft.)Site Database(s) EPA ID Number

#### **HOMART DEVELOPMENT CORP/EDWARDS WIRE & ROPE (Continued)**

S100833559

various railroad carunloading areas. The site is approximately 1000 feet from

the San Francisco Bay.

Hazardous Waste Desc: Contaminants include polychlorinated biphenyls (PCBs), lead (Pb) and acidic

ground water. Most of the PCB and oil-contaminated soil has been removed. Soil

contaminated with lead still remains.

Threat To Public Health & Env: The major pathways of exposure are through migration of the acidic ground water

to the San Francisco Bay and direct contact with metal-contaminated soil during

excavation for site development.

Site Activity Status: During 1981 and 1982, Homart investigated and mitigated PCB contaminated areas

onsite. In 1984, Homart isolated and treated lead contaminated soil on one

parcel of the property.

### 39 HIGHWAY 101/OYSTER POINT HIGHWAY 101 AT OYSTER POINT BLVD S SAN FRANCISCO, CA 94080

CA RESPONSE S100270033
CA ENVIROSTOR N/A

RESPONSE:

Facility ID: 41330051
Site Type: State Response
Site Type Detail: State Response or NPL

Acres: Not reported
National Priorities List: NO
Cleanup Oversight Agencies: DTSC
Lead Agency Description: \* DTSC
Project Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Berkeley

Site Code: 200152

Site Mgmt. Req.: NONE SPECIFIED

Assembly: 22 Senate: 13

Special Program Status: Not reported
Status: No Further Action
Status Date: 01/30/1995
Restricted Use: NO

Funding: Responsible Party
Latitude: 37.66394
Longitude: -122.3983
APN: NONE SPECIFIED

APN: NONE SPECIFIED
Past Use: NONE SPECIFIED

Potential COC: \* Metals - Sludge \* ACID SOLUTION 2>PH WITH METALS Lead Mercury and

compounds

Confirmed COC: NONE SPECIFIED Potential Description: NONE SPECIFIED

Alias Name: CALTRANS OYSTER POINT OVERCROSSING

Alias Type: Alternate Name

Alias Name: OYSTER PT/HIGHWAY 101

 Alias Type:
 Alternate Name

 Alias Name:
 110033613962

 Alias Type:
 EPA (FRS #)

 Alias Name:
 200152

Alias Type: Project Code (Site Code)

Alias Name: 41330051

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Map ID
Direction
Distance

Distance (ft.)Site Database(s) EPA ID Number

## **HIGHWAY 101/OYSTER POINT (Continued)**

S100270033

**EDR ID Number** 

Completed Document Type: Removal Action Completion Report

Completed Date: 01/30/1995 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Preliminary Endangerment Assessment Report

Completed Date: 10/10/1991

Comments: Lead and TPH above the TTLC are in the stored soil. CalTrans, in

preparation for construction of the Oyster Pt. overcrossing, removed lead-contaminated soil from a ditch draining into the San Francisco Bay. The covered pile of soil were stored north of the Oyster Point excavation for characterization. One pile contained lead just over 1000 pp and petroleum hydrocarbons. The piles weill be removed via

an approved removal action.

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 Not reported Schedule Document Type: Schedule Due Date: Not reported Schedule Revised Date: Not reported

**ENVIROSTOR:** 

Facility ID: 41330051
Status: No Further Action
Status Date: 01/30/1995
Site Code: 200152
Site Type: State Response

Site Type Detailed: State Response or NPL

Acres: Not reported
NPL: NO
Regulatory Agencies: DTSC
Lead Agency: DTSC
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Berkeley

Assembly: 22 Senate: 13

Special Program: Not reported

Restricted Use: NO

Site Mgmt Req: NONE SPECIFIED Funding: Responsible Party Latitude: 37.66394

Longitude: -122.3983
APN: NONE SPECIFIED

Past Use: NONE SPECIFIED

Potential COC: \* Metals - Sludge \* ACID SOLUTION 2>PH WITH METALS Lead Mercury and

compounds

Confirmed COC: NONE SPECIFIED Potential Description: NONE SPECIFIED

Alias Name: CALTRANS OYSTER POINT OVERCROSSING

Alias Type: Alternate Name

Alias Name: OYSTER PT/HIGHWAY 101

Distance

**HIGHWAY 101/OYSTER POINT (Continued)** 

S100270033

Database(s)

**EDR ID Number** 

**EPA ID Number** 

Alias Type: Alternate Name
Alias Name: 110033613962
Alias Type: EPA (FRS #)
Alias Name: 200152

Alias Type: Project Code (Site Code)

Alias Name: 41330051

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Removal Action Completion Report

Completed Date: 01/30/1995 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Preliminary Endangerment Assessment Report

Completed Date: 10/10/1991

Comments: Lead and TPH above the TTLC are in the stored soil. CalTrans, in

preparation for construction of the Oyster Pt. overcrossing, removed lead-contaminated soil from a ditch draining into the San Francisco Bay. The covered pile of soil were stored north of the Oyster Point excavation for characterization. One pile contained lead just over 1000 pp and petroleum hydrocarbons. The piles weill be removed via

an approved removal action.

Future Area Name: Not reported Future Sub Area Name: Not reported Future Document Type: Not reported Not reported Future Due Date: Not reported Schedule Area Name: Schedule Sub Area Name: Not reported Schedule Document Type: Not reported Not reported Schedule Due Date: Schedule Revised Date: Not reported

40 BERKELEY FARMS
561 ECCLES
SOUTH SAN FRANCISCO, CA 94080

CA HIST CORTESE \$105025942 CA LUST N/A

HIST CORTESE:

Region: CORTESE
Facility County Code: 41
Reg By: LTNKA
Reg Id: 41-0899

LUST:

 Region:
 STATE

 Global Id:
 T0608100833

 Latitude:
 37.661553

 Longitude:
 -122.390422

 Case Type:
 LUST Cleanup Site

 Status:
 Completed - Case Closed

Status Date: 06/26/2001

Lead Agency: SAN MATEO COUNTY LOP

Case Worker: JM

Local Agency: SAN MATEO COUNTY LOP

Distance (ft.)Site Database(s) EPA ID Number

## **BERKELEY FARMS (Continued)**

S105025942

**EDR ID Number** 

RB Case Number: 41-0899 LOC Case Number: 550137

File Location: Local Agency Warehouse

Potential Media Affect: Other Groundwater (uses other than drinking water)

Potential Contaminants of Concern: Gasoline Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0608100833

Contact Type: Regional Board Caseworker

Contact Name: UUU

Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)

Address: 1515 CLAY ST SUITE 1400

City: OAKLAND
Email: Not reported
Phone Number: Not reported

Global Id: T0608100833

Contact Type: Local Agency Caseworker
Contact Name: JACOB MADDEN

Organization Name: SAN MATEO COUNTY LOP

Address: SAN MATEO COUNTY EOP
Address: 2000 ALAMEDA DE LAS PULGAS

City: SAN MATEO Email: jmadden@smcgov.org

Phone Number: 6503726298

Status History:

Global Id: T0608100833

Status: Completed - Case Closed

Status Date: 06/26/2001

Global Id: T0608100833

Status: Open - Case Begin Date

Status Date: 11/10/1994

Regulatory Activities:

 Global Id:
 T0608100833

 Action Type:
 REMEDIATION

 Date:
 01/01/1950

 Action:
 Not reported

 Global Id:
 T0608100833

 Action Type:
 ENFORCEMENT

 Date:
 12/12/1994

Action: Notice of Responsibility - #1

 Global Id:
 T0608100833

 Action Type:
 Other

 Date:
 01/01/1950

 Action:
 Leak Reported

SAN MATEO CO. LUST:

Region: SAN MATEO

Map ID Direction Distance Distance (ft.)Site

irection EDR ID Number

**BERKELEY FARMS (Continued)** 

S105025942

**EPA ID Number** 

 Facility ID:
 550137

 Facility Status:
 9- Case Closed

 Global ID:
 T0608100833

 APN Number:
 015081120

Case Type: SAN MATEO CO. LUST EDR Link ID: SAN MATEO CO. LUST

-

40 BERKELEY FARMS
561 ECCLES
S SAN FRANCISCO, CA 94080

CA LUST S102269293
CA SWEEPS UST N/A
CA San Mateo Co. BI

Database(s)

LUST REG 2:

Region:

Facility Id: Not reported Case Closed Facility Status: Case Number: 550137 How Discovered: OM Leak Cause: Unknown Leak Source: Unknown Not reported Date Leak Confirmed: Oversight Program: LUST

Prelim. Site Assesment Wokplan Submitted:
Preliminary Site Assesment Began:
Pollution Characterization Began:
Pollution Remediation Plan Submitted:
Date Remediation Action Underway:
Not reported
Not reported
Not reported
Not reported
Not reported

SWEEPS UST:

Status: Active Comp Number: 550013 Number: 9

Board Of Equalization: Not reported Referral Date: 04-22-94 Action Date: 04-22-94 Created Date: 10-13-88 Owner Tank Id: Not reported

SWRCB Tank ld: 41-000-550013-000001

Tank Status: A
Capacity: 7500
Active Date: 04-22-94
Tank Use: M.V. FUEL

STG: F

Content: REG UNLEADED

Number Of Tanks: 1

San Mateo Co. BI:

Region: SAN MATEO Facility ID: FA0017681

Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT

Record Id: PR0023721

Description: GENERATES & RECYCLES WASTE OIL/SOLVENT

Region: SAN MATEO Facility ID: FA0017681

Prog Element Code: STORES HAZ MAT <1,199GAL,9,999LB,4,799FT3

Record Id: PR0004371

ection EDR ID Number

Database(s) EPA ID Number

S102269293

### **BERKELEY FARMS (Continued)**

Description:

STORES HAZ MAT <1,199GAL,9,999LB,4,799CF

Region: SAN MATEO Facility ID: FA0017681

Prog Element Code: UNDERGROUND TANK - GENERAL

Record Id: PR0022582

Description: UNDERGROUND TANK - GENERAL

Region: SAN MATEO Facility ID: FA0026973

Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT

Record Id: PR0040086

Description: GENERATES & RECYCLES WASTE OIL/SOLVENT

Region: SAN MATEO Facility ID: FA0026973

Prog Element Code: STORES HAZ MAT <219GAL,1,999LB, 879FT3

Record Id: PR0040085

Description: STORES HAZ MAT <219GAL,1,999LB, 879CF

Region: SAN MATEO Facility ID: FA0027707

Prog Element Code: GENERATES <27 GAL/YEAR
Record Id: PR0044721
Description: GENERATES <27 GAL/YEAR

Region: SAN MATEO Facility ID: FA0039081

Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT

Record Id: PR0055343

Description: GENERATES & RECYCLES WASTE OIL/SOLVENT

Region: SAN MATEO Facility ID: FA0039081

Prog Element Code: STORES HAZ MAT <219GAL,1,999LB, 879FT3

Record Id: PR0055342

Description: STORES HAZ MAT <219GAL,1,999LB, 879CF

41 BRESSIE & COMPANY
600 79 DUBUQUE
SOUTH SAN FRANCISCO, CA 94080

CA HIST CORTESE \$102444548 N/A

HIST CORTESE:

Region: CORTESE
Facility County Code: 41
Reg By: LTNKA
Reg Id: 41-0086

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

42 MC RIVERA INC CA LUST S112868155 821 CYPRESS CA HAZNET N/A SOUTH SAN FRANCISCO, CA 94080

SAN MATEO CO. LUST:

Region: SAN MATEO
Facility ID: 550067
Facility Status: 9- Case Closed
Global ID: T0608100269
APN Number: 012143170

Case Type: SAN MATEO CO. LUST EDR Link ID: SAN MATEO CO. LUST

HAZNET:

Year: 1995

Gepaid: CAC001133600
Contact: MC RIVERA INC
Telephone: 000000000
Mailing Name: Not reported

Mailing Address: 1168 DAVIS STREET

Mailing City, St, Zip: REDWOOD CITY, CA 940610000

Gen County: Not reported
TSD EPA ID: CAL000048571
TSD County: Not reported

Waste Category: Waste oil and mixed oil

Disposal Method: Recycler
Tons: .4587
Facility County: San Mateo

\_\_\_\_\_

42 HOUSING CONSTRUCTION 821 CYPRESS S SAN FRANCISCO, CA 94080

HIST CORTESE:

Region: CORTESE Facility County Code: 41 Reg By: LTNKA Reg Id: 41-0283

LUST:

 Region:
 STATE

 Global Id:
 T0608100269

 Latitude:
 37.660369

 Longitude:
 -122.406082

 Case Type:
 LUST Cleanup Site

 Status:
 Completed - Case Closed

Status Date: 07/27/2000

Lead Agency: SAN MATEO COUNTY LOP

Case Worker: JM

Local Agency: SAN MATEO COUNTY LOP

RB Case Number: 41-0283
LOC Case Number: 550067
File Location: Local Agency

Potential Media Affect: Other Groundwater (uses other than drinking water)

Potential Contaminants of Concern: Diesel Site History: Not reported

Click here to access the California GeoTracker records for this facility:

CA HIST CORTESE \$100234181

N/A

**CA LUST** 

**EDR ID Number** 

Distance (ft.)Site Database(s) EPA ID Number

## **HOUSING CONSTRUCTION (Continued)**

S100234181

**EDR ID Number** 

Contact:

Global Id: T0608100269

Contact Type: Regional Board Caseworker

Contact Name: UUU

Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)

Address: 1515 CLAY ST SUITE 1400

City: OAKLAND
Email: Not reported
Phone Number: Not reported

Global Id: T0608100269

Contact Type: Local Agency Caseworker
Contact Name: JACOB MADDEN
Organization Name: SAN MATEO COUNTY LOP
Address: 2000 ALAMEDA DE LAS PULGAS

City: SAN MATEO Email: jmadden@smcgov.org

Phone Number: 6503726298

Status History:

Global Id: T0608100269

Status: Completed - Case Closed

Status Date: 07/27/2000

Global Id: T0608100269

Status: Open - Case Begin Date

Status Date: 03/02/1990

Regulatory Activities:

 Global Id:
 T0608100269

 Action Type:
 Other

 Date:
 01/01/1950

 Action:
 Leak Discovery

 Global Id:
 T0608100269

 Action Type:
 ENFORCEMENT

 Date:
 06/05/1990

Action: Notice of Responsibility - #1

 Global Id:
 T0608100269

 Action Type:
 Other

 Date:
 01/01/1950

 Action:
 Leak Reported

 Global Id:
 T0608100269

 Action Type:
 REMEDIATION

 Date:
 01/01/1950

 Action:
 Excavation

LUST REG 2:

Region:

Facility Id: Not reported Facility Status: Case Closed Case Number: 550067

Map ID
Direction
EDR ID Number

Distance (ft.)Site Database(s) EPA ID Number

### **HOUSING CONSTRUCTION (Continued)**

Distance

S100234181

How Discovered:

Leak Cause:

Leak Source:

Date Leak Confirmed:

Oversight Program:

OW

Unknown

Not reported

LUST

Prelim. Site Assesment Wokplan Submitted:
Preliminary Site Assesment Began:
Pollution Characterization Began:
Pollution Remediation Plan Submitted:
Not reported
Not reported
Not reported
Not reported
Post Remediation Action Underway:
Not reported
Not reported
Not reported
Not reported

43 AVIS RENT A CAR SYSTEM INC 513 ECCLES AVE SOUTH SAN FRANCISCO, CA 94080 RCRA-SQG 1000168691 FINDS CAD981993652 CA HIST CORTESE

CA LUST
CA FID UST
CA San Mateo Co. BI
CA HAZNET

RCRA-SQG:

Date form received by agency: 05/17/2001

Facility name: AVIS RENT A CAR SYSTEM INC

Facility address: 513 ECCLES AVE

SOUTH SAN FRANCISCO, CA 94080

EPA ID: CAD981993652
Contact: RAY RIORDAN
Contact address: 513 ECCLES AVE

SOUTH SAN FRANCISCO, CA 94080

Contact country: US

Contact telephone: (650) 616-0146
Contact email: Not reported
EPA Region: 09
Land type: Private

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous

waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of

hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED Owner/operator address: NOT REQUIRED

NOT REQUIRED, ME 99999

Owner/operator country:
Owner/operator telephone:
Legal status:
Owner/Operator Type:
Owner/Op start date:
Owner/Op end date:
Not reported
Not reported

Owner/operator name: AVIS RENT A CAR SYSTEM INC

Owner/operator address: 900 OLD COUNTRY RD

GARDEN CITY, NY 11530

Owner/operator country: Not reported Owner/operator telephone: (516) 222-6738

rection EDR ID Number

## AVIS RENT A CAR SYSTEM INC (Continued)

1000168691

**EPA ID Number** 

Database(s)

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: No Treater, storer or disposer of HW: No Underground injection activity: Nο 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

**Historical Generators:** 

Date form received by agency: 09/01/1996

Site name: AVIS RENT A CAR SYSTEM INC Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D039

Waste name: TETRACHLOROETHYLENE

Facility Has Received Notices of Violations:

Regulation violated: Not reported

Area of violation: Generators - General

Date violation determined: 04/28/1988
Date achieved compliance: 07/29/1988
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 06/06/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported Not reported

**Evaluation Action Summary:** 

Evaluation date: 04/28/1988

Evaluation: FOCUSED COMPLIANCE INSPECTION

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 04/28/1988

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Distance
Distance (ft.)Site Database(s) EPA ID Number

## AVIS RENT A CAR SYSTEM INC (Continued)

1000168691

**EDR ID Number** 

Area of violation: Generators - General

Date achieved compliance: 07/29/1988 Evaluation lead agency: State

FINDS:

Registry ID: 110002770001

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.

HIST CORTESE:

Region: CORTESE
Facility County Code: 41
Reg By: LTNKA
Reg Id: 41-1231

LUST:

Region: STATE
Global Id: T0608101122
Latitude: 37.660365
Longitude: -122.391811
Case Type: LUST Cleanup Site
Status: Completed - Case Closed

Status Date: 06/27/2000

Lead Agency: SAN MATEO COUNTY LOP

Case Worker: JM

Local Agency: SAN MATEO COUNTY LOP

RB Case Number: 41-0231 LOC Case Number: 550157

File Location: Local Agency Warehouse

Potential Media Affect: Other Groundwater (uses other than drinking water)

Potential Contaminants of Concern: Not reported Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0608101122

Contact Type: Local Agency Caseworker

Contact Name: JACOB MADDEN

Organization Name: SAN MATEO COUNTY LOP
Address: 2000 ALAMEDA DE LAS PULGAS

City: SAN MATEO

Email: jmadden@smcgov.org

Phone Number: 6503726298

Global Id: T0608101122

Contact Type: Regional Board Caseworker

Contact Name: UUU

Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)

Distance
Distance (ft.)Site Database(s) EPA ID Number

## AVIS RENT A CAR SYSTEM INC (Continued)

1000168691

**EDR ID Number** 

Address: 1515 CLAY ST SUITE 1400

City: OAKLAND
Email: Not reported
Phone Number: Not reported

Status History:

Global Id: T0608101122

Status: Completed - Case Closed

Status Date: 06/27/2000

Global Id: T0608101122

Status: Open - Case Begin Date

Status Date: 09/17/1998

Regulatory Activities:

 Global Id:
 T0608101122

 Action Type:
 ENFORCEMENT

 Date:
 09/17/1998

Action: Notice of Responsibility - #1

 Global Id:
 T0608101122

 Action Type:
 Other

 Date:
 01/01/1950

 Action:
 Leak Discovery

 Global Id:
 T0608101122

 Action Type:
 Other

 Date:
 01/01/1950

 Action:
 Leak Reported

# LUST REG 2:

Region:

Facility Id: Not reported Facility Status: Case Closed Case Number: 550157 How Discovered: OM Leak Cause: Unknown Leak Source: Unknown Date Leak Confirmed: Not reported Oversight Program: LUST

Prelim. Site Assesment Wokplan Submitted:
Preliminary Site Assesment Began:
Pollution Characterization Began:
Pollution Remediation Plan Submitted:
Not reported
Not reported
Not reported
Date Remediation Action Underway:
Not reported
Date Post Remedial Action Monitoring Began: Not reported

### SAN MATEO CO. LUST:

Region: SAN MATEO
Facility ID: 550157
Facility Status: 9- Case Closed
Global ID: T0608101122
APN Number: 015071310

Case Type: SAN MATEO CO. LUST

Distance (ft.)Site Database(s) EPA ID Number

# AVIS RENT A CAR SYSTEM INC (Continued)

1000168691

**EDR ID Number** 

EDR Link ID: SAN MATEO CO. LUST

CA FID UST:

Facility ID: 41004753
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4158715125
Mail To: Not reported

Mailing Address: 1 MERECEDES DR

Mailing Address 2: Not reported

Mailing City, St, Zip: SO SAN FRANCISCO 94080

Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

San Mateo Co. BI:

Region: SAN MATEO Facility ID: FA0002092

Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT

Record Id: PR0025941

Description: GENERATES & RECYCLES WASTE OIL/SOLVENT

Region: SAN MATEO Facility ID: FA0002092

Prog Element Code: STORES HAZ MAT <1,199GAL,9,999LB,4,799FT3

Record Id: PR0004293

Description: STORES HAZ MAT <1,199GAL,9,999LB,4,799CF

Region: SAN MATEO Facility ID: FA0002092

Prog Element Code: UNDERGROUND TANK - GENERAL

Record Id: PR0022666

Description: UNDERGROUND TANK - GENERAL

Region: SAN MATEO Facility ID: FA0026656

Prog Element Code: ABOVE GROUND TANK/SPCC

Record Id: PR0043675

Description: ABOVE GROUND TANK/SPCC

Region: SAN MATEO Facility ID: FA0026656

Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT

Record Id: PR0038731

Description: GENERATES & RECYCLES WASTE OIL/SOLVENT

Region: SAN MATEO Facility ID: FA0026656

Prog Element Code: STORES HAZ MAT <1,199GAL,9,999LB,4,799FT3

Record Id: PR0038730

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

### AVIS RENT A CAR SYSTEM INC (Continued)

1000168691

**EDR ID Number** 

Description: STORES HAZ MAT <1,199GAL,9,999LB,4,799CF

 Region:
 SAN MATEO

 Facility ID:
 FA0026656

 Prog Element Code:
 2352

 Record Id:
 PR0067308

Description: TIER I: TANK STOR CAP =>1,320 & <5,000 GAL

HAZNET:

Year: 2008

Gepaid: CAD981993652
Contact: K GOERTZEN
Telephone: 4157379150
Mailing Name: Not reported
Mailing Address: 513 ECCLES AVE

Mailing City, St, Zip: SOUTH SAN FRANCISCO, CA 940800000

Gen County: Not reported
TSD EPA ID: TXD077603371
TSD County: Not reported
Waste Category: Other organic solids

Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site

Tons: 0.325
Facility County: San Mateo

Year: 2008

Gepaid: CAD981993652
Contact: K GOERTZEN
Telephone: 4157379150
Mailing Name: Not reported
Mailing Address: 513 ECCLES AVE

Mailing City, St, Zip: SOUTH SAN FRANCISCO, CA 940800000

Gen County: Not reported
TSD EPA ID: TXD077603371
TSD County: Not reported
Waste Category: Other organic solids

Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site

Tons: 0.325 Facility County: San Mateo

Year: 2008

Gepaid: CAD981993652
Contact: K GOERTZEN
Telephone: 4157379150
Mailing Name: Not reported
Mailing Address: 513 ECCLES AVE

Mailing City, St, Zip: SOUTH SAN FRANCISCO, CA 940800000

Gen County: Not reported
TSD EPA ID: CA0000084517
TSD County: Not reported

Waste Category: Aqueous solution with total organic residues less than 10 percent Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery

(H010-H129) Or (H131-H135)

Tons: 0.2394
Facility County: San Mateo

Year: 2008

Gepaid: CAD981993652

rection EDR ID Number

AVIS RENT A CAR SYSTEM INC (Continued)

1000168691

**EPA ID Number** 

Database(s)

Contact: K GOERTZEN
Telephone: 4157379150
Mailing Name: Not reported
Mailing Address: 513 ECCLES AVE

Mailing City, St, Zip: SOUTH SAN FRANCISCO, CA 940800000

Gen County: Not reported
TSD EPA ID: TXD077603371
TSD County: Not reported
Waste Category: Other organic solids

Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery

(H010-H129) Or (H131-H135)

Tons: 0.12 Facility County: San Mateo

Year: 2008

Gepaid: CAD981993652
Contact: K GOERTZEN
Telephone: 4157379150
Mailing Name: Not reported
Mailing Address: 513 ECCLES AVE

Mailing City, St, Zip: SOUTH SAN FRANCISCO, CA 940800000

Gen County: Not reported
TSD EPA ID: TXD077603371
TSD County: Not reported
Waste Category: Other organic solids

Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery

(H010-H129) Or (H131-H135)

Tons: 0.12 Facility County: San Mateo

Click this hyperlink while viewing on your computer to access 91 additional CA\_HAZNET: record(s) in the EDR Site Report.

44 SWIFT INDEPENDENT 429 CABOT ROAD

**SOUTH SAN FRANCI, CA 92262** 

Notify 65:

Date Reported: Not reported Staff Initials: Not reported Board File Number: Not reported Facility Type: Not reported Discharge Date: Not reported Incident Description: 92262

VIROLOGIC INC 270 E GRAND AVE STE A SOUTH SAN FRANCISCO, CA 94080 RCRA-SQG 1000298667 FINDS CAD054603824

CA Notify 65

U000052961

N/A

CA HIST Cal-Sites
CA RESPONSE
CA San Mateo Co. BI
CA ENVIROSTOR

RCRA-SQG:

45

Date form received by agency: 09/01/1996
Facility name: VIROLOGIC INC

Facility address: 270 E GRAND AVE STE A

Map ID Direction Distance (ft.)Site

Distance Database(s) **EPA ID Number** 

### **VIROLOGIC INC (Continued)**

1000298667

**EDR ID Number** 

SOUTH SAN FRANCISCO, CA 94080

EPA ID: CAD054603824 Not reported Contact: Contact address: Not reported Not reported

Contact country: Not reported Contact telephone: Not reported Contact email: Not reported

EPA Region: 09

Classification: Small Small Quantity Generator

Handler: generates more than 100 and less than 1000 kg of hazardous Description:

waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of

hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: AMERICAN CAN COMPANY

Owner/operator address: 719 RARITAN ROAD

CITY NOT REPORTED, NJ 99999

Owner/operator country: Not reported Owner/operator telephone: (201) 499-7800 Legal status: Private

Owner/Operator Type: Operator Owner/Op start date: Not reported Owner/Op end date: Not reported

Owner/operator name: NC LAND ASSOCIATES Owner/operator address: 393 VINTAGE DR STE 200 FOSTER CITY, CA 94404

Not reported Owner/operator country: Owner/operator telephone: (415) 358-8600

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: No 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 No User oil refiner: Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

## **Historical Generators:**

Date form received by agency: 07/19/1996

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

VIROLOGIC INC (Continued)

Site name: VIROLOGIC INC

Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002649830

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.

Calsite:

Region: BERKELEY Facility ID: 41340077

Facility Type: RP

Type: RESPONSIBLE PARTY

Branch: NC

Branch Name: NORTH COAST
File Name: Not reported
State Senate District: 06011986

Status: CERTIFIED AS HAVING BEEN REMEDIED SATISFACTORILY UNDER DTSC OVERSIGHT

Status Name: CERTIFIED

Lead Agency: N/A

NPL: Not reported

SIC Code: 34

SIC Name: MANU - FABRICATED METAL PRODUCTS

Access: Not reported Cortese: Not reported

Hazardous Ranking Score:
Date Site Hazard Ranked:
Groundwater Contamination:
Staff Member Responsible for Site:
Supervisor Responsible for Site:
Not reported
Not reported
Not reported
Not reported

Region Water Control Board: SF

Region Water Control Board Name: SAN FRANCISCO BAY

Lat/Long Direction:Not reportedLat/Long (dms):0 0 0 / 0 0 0Lat/long Method:Not reportedLat/Long Description:Not reported

State Assembly District Code: 19
State Senate District Code: 08
Facility ID: 41340077
Activity: CERT

Activity Name: CERTIFICATION AWP Code: Not reported

Proposed Budget: 0

AWP Completion Date: Not reported Revised Due Date: Not reported Comments Date: 06011986

Est Person-Yrs to complete: 0

**EDR ID Number** 

1000298667

Distance (ft.)Site Database(s) **EPA ID Number** 

## **VIROLOGIC INC (Continued)**

1000298667

**EDR ID Number** 

Estimated Size: Not reported Request to Delete Activity: Not reported Activity Status: CERT CERTIFIED **Definition of Status:** 

Liquids Removed (Gals): 0 Liquids Treated (Gals): 0

Action Included Capping: Not reported Not reported Well Decommissioned: Action Included Fencing: Not reported Removal Action Certification: Not reported **Activity Comments:** Not reported

For Commercial Reuse: 0 For Industrial Reuse: 0 For Residential Reuse: 0 Unknown Type: 0

Facility ID: 41340077 SS

Activity:

Activity Name: SITE SCREENING AWP Code: Not reported

Proposed Budget: 0

AWP Completion Date: Not reported Revised Due Date: Not reported 09251987 Comments Date:

Est Person-Yrs to complete:

Estimated Size: Not reported Not reported Request to Delete Activity: **Activity Status: CERT Definition of Status:** CERTIFIED

Liquids Removed (Gals): 0 Liquids Treated (Gals): 0

Action Included Capping: Not reported Well Decommissioned: Not reported Not reported Action Included Fencing: Removal Action Certification: Not reported **Activity Comments:** Not reported

For Commercial Reuse: 0 For Industrial Reuse: 0 For Residential Reuse: 0 Unknown Type: 0

270 EAST GRAND AVENUE Alternate Address: S SAN FRANCISCO, CA 94080 Alternate City, St, Zip:

This approximately 20-acre Site is currently Brittania Point Background Info:

Grand, a commercial park occupied by a number of biotechnology companies. Office buildings, parking areas, and landscaping are the essential features of the Site. The Site is bounded to the north by East Grand Avenue, to the south by railroad tracks, to the east by Littlefield Avenue, and to the west by Harbor Way and the rest of Brittania Point Grand. The Site was formerly the location of a processing plant for the recovery of tin and steel from scrap tinplate. The plant had been in existence from 1922 until operations ceased in 1982. Operations at the Site prior to 1922 are unknown. The plant operated under a succession of owners, the last of which was Tinmet Corporation (Tinmet), which purchased the plant and its owner, MRI Corporation. During plant operations, a two-acre evaporation pond existed on-site for the collection of plant effluent. Large piles of scrap steel generated in the detinning process were also stored on-site. NC

Distance (ft.)Site Database(s) EPA ID Number

**VIROLOGIC INC (Continued)** 

1000298667

**EDR ID Number** 

Land Associates purchased the Site in 1987. Britannia Point Grand purchased the Site from NC Land Associates in 1997 and

redevelopmed it to its current commercial use.

Comments Date: 06011986

Comments: Certified site. In June of 1982, Tinmet submitted a closure

Comments Date: 06011986

Comments: plan to DHS. Closure was carried out from July 1982 through

Comments Date: 06011986

Comments: October 1985. Closure activities consisted of the removal of

Comments Date: 06011986

Comments: on-site commercial waste products, contaminated soils and

Comments Date: 06011986

Comments: sludges from various areas, shredder residue, two underground

Comments Date: 06011986

Comments: storage tanks, and liquid from the evaporation pond. The

Comments Date: 06011986

Comments: closure plan was overseen and approved by DHS. The primary

Comments Date: 06011986

Comments: chemicals of concern in soil, sludge, surface water, and

Comments Date: 06011986

Comments: groundwater were lead and zinc. Soils were removed to an

Comments Date: 06011986

Comments: average concentration of 500 ppm total lead. The SF Regional

Comments Date: 06011986

Comments: Water Quality Control Board oversaw surface and groundwater

Comments Date: 06011986

Comments: monitoring at the site during closure. In late 1985, soils

Comments Date: 06011986

Comments: containing elevated levels of lead were removed from an adjacent

Comments Date: 06011986

Comments: Southern Pacific (SP) Railroad right-of-way containing greater

Comments Date: 06011986

Comments: than 1,000 ppm of lead at the surface were excavated to a depth

Comments Date: 06011986

Comments: of six inches and disposed as hazardous waste. The excavated

Comments Date: 06011986

Comments: area, the trench, and a drainage ditch in the SP right-of-way

Comments Date: 06011986

Comments: were backfilled with clean imported soil. The objective of the

Comments Date: 06011986

Comments: soil remediation program on the SP right-of-way was to eliminate

Comments Date: 06011986

Comments: contact between surface water runoff from the site and soils

Comments Date: 06011986 Comments: containing

Comments: containing elevated lead concentrations. However,

Comments Date: 06011986

Comments: concentrations of lead remained in areas of the right-of-way as

Comments Date: 06011986

Comments: high as 3,950 ppm. Following completion of remedial activities

Comments Date: 06011986

Comments: at the adjacent SP right-of-way, DHS certified closure of the

Comments Date: 06011986
Comments: site.
Comments Date: 08011980

Comments: Facility identified: Inactive site identified independent of

Comments Date: 08011980 Comments: drive-by.

Distance (ft.)Site Database(s) EPA ID Number

## **VIROLOGIC INC (Continued)**

1000298667

**EDR ID Number** 

Comments Date: 08191991

Comments: Completed Site Screening. Investigations performed by a

Comments Date: 08191991

Comments: potential buyer for the site in 1987 found elevated levels of

Comments Date: 08191991

Comments: lead in soils, with an average concentration of 1,000 ppm, and

Comments Date: 08191991

Comments: concentrations as high as 5,300 ppm. In order to adress this

Comments Date: 08191991

Comments: issue, a one-foot cap of clean soil was placed over the whole

Comments Date: 08191991

Comments: site. When NC Land Associates purchased the site in 1987, a

Comments Date: 08191991

Comments: deed restriction was placed limiting development at the site to

Comments Date: 08191991

Comments: non-residential uses and requiring maintenance of the one-foot

Comments Date: 08191991

Comments: clean soil cap. DTSC allowed development at the site in 1987

Comments Date: 08191991

Comments: provided that the deed restriction was recorded, and the

Comments Date: 08191991

Comments: one-foot layer of clean soil cap was installed and maintained.

Comments Date: 09251987

Comments: Completed Site Screening. The site was a metal recycling

Comments Date: 09251987

Comments: facility for 60 years. DHS certified closure in 1986. During

Comments Date: 09251987

Comments: its sale, levels exceeding closure criteria were found (650-1020

Comments Date: 09251987

Comments: ppm Lead). DHS allowed development of the site for industrial

Comments Date: 09251987

Comments: uses if site will be covered with one foot cap of fill material

Comments Date: 09251987

Comments: and if declaration of covenants, conditions and restrictions is

Comments Date: 09251987 Comments: recorded. Comments Date: 10061981

Comments: Recommend No Further Action based on drive-by results.

Comments Date: 12181980

Comments: Facility Drive-by: Pond on site.

ID Name: Not reported ID Value: Not reported

Alternate Name: TINMET CORPORATION/MRIMRI TINMETM R I

Special Programs Code: Not reported Special Programs Name: Not reported

## RESPONSE:

Facility ID: 41340077
Site Type: State Response
Site Type Detail: State Response or NPL

Acres: 20
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP

Lead Agency Description: DTSC - Site Cleanup Program

Project Manager: Denise Tsuji
Supervisor: Denise Tsuji
Division Branch: Cleanup Berkeley

### MAP FINDINGS

Map ID
Direction
Distance

Distance (ft.)Site Database(s) EPA ID Number

### **VIROLOGIC INC (Continued)**

1000298667

**EDR ID Number** 

Site Code: Not reported
Site Mgmt. Req.: NONE SPECIFIED

Assembly: 22 Senate: 13

Special Program Status: Not reported Status: Certified Status Date: 06/01/1986 Restricted Use: NO

Funding: Responsible Party

Latitude: 37.65262 Longitude: -122.3965

APN: 015-042-200, 015-042-210, 015-042-220, 015-042-230, 015042220

Past Use: METAL RECLAMATION, METAL RECLAMATION

Potential COC: Lead
Confirmed COC: Lead
Potential Description: SOIL, SOIL
Alias Name: M R I

Alias Type: Alternate Name Alias Name: **MRI TINMET** Alias Type: Alternate Name Alias Name: 015-042-200 Alias Type: APN Alias Name: 015-042-210 Alias Type: APN Alias Name: 015-042-220 Alias Type: APN

 Alias Name:
 015-042-230

 Alias Type:
 APN

 Alias Name:
 015042220

 Alias Type:
 APN

Alias Name: 110033619920 Alias Type: EPA (FRS #) Alias Name: 41340077

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Completed Date: PROJECT WIDE
Office Of

Comments: Certified site. In June of 1982, Tinmet submitted a closure plan to DHS. Closure was carried out from July 1982 through October 1985.

Closure activities consisted of the removal of on-site commercial waste products, contaminated soils and sludges from various areas, shredder residue, two underground storage tanks, and liquid from the evaporation pond. The closure plan was overseen and approved by DHS. The primary chemicals of concern in soil, sludge, surface water, and groundwater were lead and zinc. Soils were removed to an average concentration of 500 ppm total lead. The SF Regional Water Quality Control Board oversaw surface and groundwater monitoring at the site during closure. In late 1985, soils containing elevated levels of lead were removed from an adjacent Southern Pacific (SP) Railroad right-of-way containing greater than 1,000 ppm of lead at the surface were excavated to a depth of six inches and disposed as hazardous waste. The excavated area, the trench, and a drainage ditch in the SP right-of-way were backfilled with clean imported soil. The

objective of the soil remediation program on the SP right-of-way was to eliminate contact between surface water runoff from the site and

Distance (ft.)Site Database(s) EPA ID Number

**VIROLOGIC INC (Continued)** 

1000298667

**EDR ID Number** 

soils containing elevated lead concentrations. However,

concentrations of lead remained in areas of the right-of-way as high as 3,950 ppm. Following completion of remedial activities at the adjacent SP right-of-way, DHS certified closure of the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 09/25/1987

Comments: Completed Site Screening. The site was a metal recycling facility

for 60 years. DHS certified closure in 1986. During its sale, levels exceeding closure criteria were found (650-1020 ppm Lead). DHS allowed development of the site for industrial uses if site will be covered with one foot cap of fill material and if declaration of

covenants, conditions and restrictions is recorded.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 03/21/2008
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: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Sub Area Name: Not reported

Schedule Document Type: Land Use Restriction

Schedule Due Date: 03/30/2011 Schedule Revised Date: Not reported

San Mateo Co. BI:

Region: SAN MATEO Facility ID: FA0015108

Prog Element Code: GEN <1 TONS HAZ WASTE/YR

Record Id: PR0028976

Description: GEN <1 TONS HAZ WASTE/YR

Region: SAN MATEO Facility ID: FA0015108

Prog Element Code: STORES HAZ MAT <1,199GAL,9,999LB,4,799FT3

Record Id: PR0028975

Description: STORES HAZ MAT <1,199GAL,9,999LB,4,799CF

Region: SAN MATEO Facility ID: FA0024314

Prog Element Code: GENERATES <27 GAL/YEAR

Record Id: PR0028974

Description: GENERATES <27 GAL/YEAR

Region: SAN MATEO Facility ID: FA0024314

Prog Element Code: STORES HAZ MAT <1,199GAL,9,999LB,4,799FT3

Record Id: PR0028973

Description: STORES HAZ MAT <1,199GAL,9,999LB,4,799CF

Distance (ft.)Site Database(s) EPA ID Number

**VIROLOGIC INC (Continued)** 

1000298667

**EDR ID Number** 

Region: SAN MATEO Facility ID: FA0026268

Prog Element Code: GENERATES <27 GAL/YEAR

Record Id: PR0037911

Description: GENERATES <27 GAL/YEAR

Region: SAN MATEO Facility ID: FA0026268

Prog Element Code: STORES MV FUELS OR WASTE ONLY

Record Id: PR0037912

Description: STORES MV FUELS OR WASTE ONLY

Region: SAN MATEO Facility ID: FA0026838

Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT

Record Id: PR0039801

Description: GENERATES & RECYCLES WASTE OIL/SOLVENT

Region: SAN MATEO Facility ID: FA0026838

Prog Element Code: STORES HAZ MAT <1,199GAL,9,999LB,4,799FT3

Record Id: PR0039800

Description: STORES HAZ MAT <1,199GAL,9,999LB,4,799CF

Region: SAN MATEO Facility ID: FA0028475

Prog Element Code: GEN <1 TONS HAZ WASTE/YR

Record Id: PR0047346

Description: GEN <1 TONS HAZ WASTE/YR

Region: SAN MATEO Facility ID: FA0028475

Prog Element Code: STORES HAZ MAT <1,199GAL,9,999LB,4,799FT3

Record Id: PR0047345

Description: STORES HAZ MAT <1,199GAL,9,999LB,4,799CF

 Region:
 SAN MATEO

 Facility ID:
 FA0028482

 Prog Element Code:
 2232

 Record Id:
 PR0047362

Description: GEN 1-5 TONS HAZ WASTE/YR - RCRA

Region: SAN MATEO Facility ID: FA0028482

Prog Element Code: STORES HAZ MAT <1,199GAL,9,999LB,4,799FT3

Record Id: PR0047361

Description: STORES HAZ MAT <1,199GAL,9,999LB,4,799CF

Region: SAN MATEO Facility ID: FA0040808

Prog Element Code: HAZARDOUS WASTE PROGRAM - GENERAL

Record Id: PR0056645

Description: HAZARDOUS WASTE PROGRAM - GENERAL

ENVIROSTOR:

Facility ID: 41340077 Status: Certified

Distance (ft.)Site Database(s) EPA ID Number

### **VIROLOGIC INC (Continued)**

1000298667

**EDR ID Number** 

Status Date: 06/01/1986
Site Code: Not reported
Site Type: State Response
Site Type Detailed: State Response or NPL

Acres: 20
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Denise Tsuji
Supervisor: Denise Tsuji
Division Branch: Cleanup Berkeley

Assembly: 22 Senate: 13

Special Program: Not reported

Restricted Use: NO

Site Mgmt Req: NONE SPECIFIED Funding: Responsible Party

Latitude: 37.65262 Longitude: -122.3965

APN: 015-042-200, 015-042-210, 015-042-220, 015-042-230, 015042220

Past Use: METAL RECLAMATION, METAL RECLAMATION

Potential COC: Lead Lead
Confirmed COC: Lead
Potential Description: SOIL, SOIL
Alias Name: M R I

Alias Type: Alternate Name Alias Name: MRI TINMET Alias Type: Alternate Name Alias Name: 015-042-200 Alias Type: APN Alias Name: 015-042-210 Alias Type: APN Alias Name: 015-042-220 Alias Type: APN Alias Name: 015-042-230 Alias Type: APN Alias Name: 015042220 Alias Type: APN

Alias Name: 110033619920 Alias Type: EPA (FRS #) Alias Name: 41340077

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/01/1986

Comments: Certified site. In June of 1982, Tinmet submitted a closure plan to

DHS. Closure was carried out from July 1982 through October 1985. Closure activities consisted of the removal of on-site commercial waste products, contaminated soils and sludges from various areas, shredder residue, two underground storage tanks, and liquid from the evaporation pond. The closure plan was overseen and approved by DHS. The primary chemicals of concern in soil, sludge, surface water, and groundwater were lead and zinc. Soils were removed to an average concentration of 500 ppm total lead. The SF Regional Water Quality Control Board oversaw surface and groundwater monitoring at the site

Map ID Direction Distance Distance (ft.)Site

**EDR ID Number** 

Database(s) **EPA ID Number** 

### **VIROLOGIC INC (Continued)**

1000298667

during closure. In late 1985, soils containing elevated levels of lead were removed from an adjacent Southern Pacific (SP) Railroad right-of-way containing greater than 1,000 ppm of lead at the surface were excavated to a depth of six inches and disposed as hazardous waste. The excavated area, the trench, and a drainage ditch in the SP right-of-way were backfilled with clean imported soil. The objective of the soil remediation program on the SP right-of-way was to eliminate contact between surface water runoff from the site and soils containing elevated lead concentrations. However, concentrations of lead remained in areas of the right-of-way as high as 3,950 ppm. Following completion of remedial activities at the

adjacent SP right-of-way, DHS certified closure of the site.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Site Screening Completed Date: 09/25/1987 Comments:

Completed Site Screening. The site was a metal recycling facility for 60 years. DHS certified closure in 1986. During its sale, levels exceeding closure criteria were found (650-1020 ppm Lead). DHS allowed development of the site for industrial uses if site will be covered with one foot cap of fill material and if declaration of

covenants, conditions and restrictions is recorded.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Fieldwork Completed Date: 03/21/2008 Comments: Not reported

Future Area Name: Not reported Future Sub Area Name: Not reported Not reported Future Document Type: Future Due Date: Not reported PROJECT WIDE Schedule Area Name: Schedule Sub Area Name: Not reported Land Use Restriction Schedule Document Type:

Schedule Due Date: 03/30/2011

Schedule Revised Date: Not reported

46 **VACENT LOT 108 SYLVESTER ROAD SOUTH SAN FRANCI, CA 94080**  CA Notify 65 S100179788 N/A

Notify 65:

Date Reported: Not reported Staff Initials: Not reported Board File Number: Not reported Facility Type: Not reported Discharge Date: Not reported Incident Description: 94080

## MAP FINDINGS

Map ID Direction Distance Distance (ft.)Site

Direction EDR ID Number

47 CALTRANS/SSF MAINTENANCE STATION 166 HARBOR WAY S SAN FRANCISCO, CA 94080 CA Cortese CA HIST CORTESE CA RESPONSE CA ENVIROSTOR

Database(s)

S105026698 N/A

**EPA ID Number** 

CORTESE:

Region: CORTESE Envirostor Id: 41280108

Site/Facility Type: STATE RESPONSE

Cleanup Status: **BACKLOG** Status Date: 04/26/2006 Site Code: 200875 Latitude: 37.652393 -122.40100 Longitude: Owner: Not reported Enf Type: Not reported Swat R: Not reported Flag: export Order No: Not reported Waste Discharge System No: Not reported Effective Date: Not reported Not reported Region 2: WID Id: Not reported Solid Waste Id No: Not reported Waste Management Uit Name: Not reported

HIST CORTESE:

Region: CORTESE
Facility County Code: 41
Reg By: CALSI
Reg Id: 41280108

**RESPONSE:** 

Facility ID: 41280108
Site Type: State Response
Site Type Detail: State Response or NPL

Acres: 2.1
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP

Lead Agency Description: DTSC - Site Cleanup Program

Project Manager: Not reported
Supervisor: Denise Tsuji
Division Branch: Cleanup Berkeley

Site Code: 200875

Site Mgmt. Req.: NONE SPECIFIED

Assembly: 22 Senate: 13

Special Program Status: Voluntary Cleanup Program

Status: Backlog Status Date: 04/26/2006 Restricted Use: NO

Funding: Responsible Party
Latitude: 37.65239
Longitude: -122.4010

APN: 015-032-040, 015032040

Past Use: MANUFACTURING - INDUSTRIAL MACHINERY, MANUFACTURING - METAL,

RECYCLING - DRUM, VEHICLE MAINTENANCE

Potential COC : Arsenic Lead Polychlorinated biphenyls (PCBs Polynuclear aromatic

## MAP FINDINGS

Map ID Direction Distance Distance (ft.)Site

Distance

## **CALTRANS/SSF MAINTENANCE STATION (Continued)**

S105026698

Database(s)

**EDR ID Number** 

**EPA ID Number** 

hydrocarbons (PAHs TPH-diesel Copper and compounds

Confirmed COC: Arsenic Lead Polychlorinated biphenyls (PCBs Polynuclear aromatic

hydrocarbons (PAHs TPH-diesel Copper and compounds

Alias Name: 110033618315 Alias Type: EPA (FRS #) Alias Name: 200875

Alias Type: Project Code (Site Code)

Alias Name: 41280108

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Voluntary Cleanup Agreement

Completed Date: 02/23/2001

Comments: VCA with the State of CA, Department of Transportation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: \* Discovery
Completed Date: 08/01/1980
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 01/22/1996
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 05/08/1987
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Voluntary Cleanup Agreement Termination Notification

Completed Date: 05/26/2005

Comments: VCA Termination letter submitted by Caltrans.

Not reported Future Area Name: Not reported Future Sub Area Name: Future Document Type: Not reported Not reported Future Due Date: Schedule Area Name: Not reported Schedule Sub Area Name: Not reported Not reported Schedule Document Type: Schedule Due Date: Not reported Schedule Revised Date: Not reported Map ID Direction Distance Distance (ft.)Site

irection EDR ID Number

## CALTRANS/SSF MAINTENANCE STATION (Continued)

S105026698

**EPA ID Number** 

Database(s)

**ENVIROSTOR:** 

 Facility ID:
 41280108

 Status:
 Backlog

 Status Date:
 04/26/2006

 Site Code:
 200875

 Site Type:
 State Response

Site Type Detailed: State Response or NPL

Acres: 2.1

NPL: NO

Regulatory Agencies: SMBRP

Lead Agency: SMBRP

Program Manager: Not reported

Supervisor: Denise Tsuji

Division Branch: Cleanup Berkeley

Assembly: 22 Senate: 13

Special Program: Voluntary Cleanup Program

Restricted Use: NO

Site Mgmt Req: NONE SPECIFIED Funding: Responsible Party

Latitude: 37.65239 Longitude: -122.4010

APN: 015-032-040, 015032040

Past Use: MANUFACTURING - INDUSTRIAL MACHINERY, MANUFACTURING - METAL,

RECYCLING - DRUM, VEHICLE MAINTENANCE

Potential COC: Arsenic Lead Polychlorinated biphenyls (PCBs Polynuclear aromatic

hydrocarbons (PAHs TPH-diesel Copper and compounds

Confirmed COC: Arsenic Lead Polychlorinated biphenyls (PCBs Polynuclear aromatic

hydrocarbons (PAHs TPH-diesel Copper and compounds

Potential Description: OTH, SOIL

Alias Name: WESTERN DRUM Alias Type: Alternate Name Alias Name: 015-032-040 Alias Type: APN Alias Name: 015032040 Alias Type: APN Alias Name: 110033618315 Alias Type: EPA (FRS#) 200875 Alias Name:

Alias Type: Project Code (Site Code)

Alias Name: 41280108

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Voluntary Cleanup Agreement

Completed Date: 02/23/2001

Comments: VCA with the State of CA, Department of Transportation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: \* Discovery
Completed Date: 08/01/1980
Comments: Not reported

Completed Area Name: PROJECT WIDE

Map ID Direction Distance Distance (ft.)Site

vistance

## **CALTRANS/SSF MAINTENANCE STATION (Continued)**

S105026698

Database(s)

**EDR ID Number** 

**EPA ID Number** 

Completed Sub Area Name: Not reported Completed Document Type: Site Screening O1/22/1996 Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 05/08/1987
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Voluntary Cleanup Agreement Termination Notification

Completed Date: 05/26/2005

Comments: VCA Termination letter submitted by Caltrans.

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 Not reported Schedule Sub Area Name: Schedule Document Type: Not reported Schedule Due Date: Not reported Schedule Revised Date: Not reported

48 DENNIS X RAY CO CA HWP \$103650853 301 ALLERTON AVE N/A

## SOUTH SAN FRANCISCO, CA 94080

HWP:

EPA Id: CAL000073292
Cleanup Status: CLOSED
Latitude: 37.65186
Longitude: -122.3923

Facility Type: Historical - Non-Operating

Facility Size:

Team:

Not reported

Not reported

Supervisor:

Not reported

Not reported

Not reported

Not reported

Assembly District: 22 Senate District: 13

Public Information Officer: Not reported

Closure:

EPA ld: CAL000073292

Facility Type: Historical - Non-Operating

Unit Names: Silver Recovery

Event Description: Closure Administrative - ISSUE CLOSURE VERIFICATION

Actual Date: 01/01/1999

Count: 93 records ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BRISBANE	1003879862	BRISBANE DUMP SITE	HWY 101 ON SAN FRANC./SAN MATEO CTY LINE	94005	CERC-NFRAP
BRISBANE	S113757688	CHEVRON	99B BAYSHORE & TUNNEL	94005	CA San Mateo Co. BI
BRISBANE	S113758900	SMC RADIO-BRISBANE ICE HOUSE	151 BAYSHORE & GUADALUPE	94005	CA San Mateo Co. Bl
BRISBANE	S113757686	SHELL STATION	99B BAYSHORE/OLD COUNTY	94005	CA San Mateo Co. BI
BRISBANE	S106932691	SUNSET SCAVENGER COMPANY	BEATTY RD	94005	CA SWEEPS UST
BRISBANE	S101482228	SOUTHERN PACIFIC LANDFILL	BETWEEN TUNNEL AVENUE & HIGHWAY 101	94005	CA ENVIROSTOR
BRISBANE	1000344998	SO PACIFIC TRANS CO	E/OLD BAYSHORE RD AT GENEVA	94005	CERCLIS
BRISBANE	A100338493	MARTIN SUBSTATION #H	3150 GENEVA	94005	CA AST
BRISBANE	S113757485	MARTIN SUBSTATION	1020 GENEVA	94005	CA San Mateo Co. BI
BRISBANE	S114561910	GOLDEN ASTER BOOSTER PUMP STATION	50 GOLDEN ASTER	94005	CA San Mateo Co. Bl
BRISBANE	S114561909	NORTH HILL BOOSTER PUMP STATION	80 NORTH HILL	94005	CA San Mateo Co. BI
BRISBANE	S112191824	COOL SOLUTIONS MANUFACTURING INC	178 HILL	94005	CA San Mateo Co. BI
BRISBANE	S110376369	AIRCRAFT TECHNICAL PUBLISHERS	101-111 HILL	94005	CA San Mateo Co. Bl
BRISBANE	1000594870	BP OIL CO EQPT SO PAC PPLN	OLD COUNTRY ROAD	94005	RCRA-SQG
BRISBANE	S101612750	BRISBANE LANDFILL	ONE MILE SW OF CANDLESTICK PK.		CA WMUDS/SWAT
BRISBANE	S113758716	T MOBILE WEST CORP-SITE IDSF03227A	290 SIERRA POINT	94005	CA San Mateo Co. BI
BRISBANE	S113756587	RECOLOGY SUNSET SCAVENGER	541 TUNNEL & BEATTY	94005	CA San Mateo Co. BI
BRISBANE	1000167001	UNION OIL BULK PLANT # 0682	TUNNEL RD.	94005	CA HIST UST
BRISBANE	S113757522	WEST COAST RECYCLING	1020 TUNNEL & BEATTY	94005	CA San Mateo Co. BI
BRISBANE	S113756248	UNOCAL SERVICE STATION #0682	123 TUNNEL	94005	CA San Mateo Co. Bl
BRISBANE	S104972634	BRISBANE PUBLIC WORKS	1020 TUNNEL	94005	CA San Mateo Co. Bl
BRISBANE	S113756783	SOUTHERN PACIFIC RAILROAD FMR	500 TUNNEL & BAYSHORE	94005	CA San Mateo Co. BI
BRISBANE	S106933533	UNOCAL SERVICE STATION #0682	TUNNEL AVE	94005	CA SWEEPS UST
BRISBANE	S104234116	NORCAL SUNSET SCAVENGER	UNKNOWN TUNNEL AVE & BEAT	94005	CA HIST CORTESE
BRISBANE	S104234108	UNOCAL BRISBANE TERMINAL	UNKNOWN OLD COUNTY RD TUN	94005	CA HIST CORTESE, CA LUST
COLMA	S106926868	GREEK ORTHODOX MEMORIAL PARK	EL CAMINO REAL-WEST	94014	CA SWEEPS UST
COLMA	S106922369	ABBEY HOMESTEAD NURSERY	CAMPBELL AVE & HILLS	94014	CA SWEEPS UST
COLMA	S106924077	CASTAGENETTO ROOFING COMPANY	601 LINDEN AVE	94014	CA SWEEPS UST
COLMA	S106982030	DONOHOE & CARROLL MONUMENTS	1635 OLD MISSION	94014	CA San Mateo Co. Bl
COLMA	S104972726	BACAS MACHINE SHOP	1690 OLD MISSION	94014	CA San Mateo Co. Bl
COLMA	S103171204	IMAGE AUTO BODY	1687 OLD MISSION	94014	CA San Mateo Co. BI
COLMA	S102267804	CYPRESS LAWN CEMETERY	1770 OLD MISSION	94014	CA San Mateo Co. Bl
COLMA	A100339097	HOLY CROSS CEMETERY	1500 OLD MISSION	94014	CA AST
COLMA	A100339609	CYPRESS LAWN CEMETERY	1770 OLD MISSION	94014	CA AST
COLMA		HOLYCROSS CEMETERY	OLD MISSION RD	94014	CA HIST UST
COUNTY	S113758358	VERIZON WIRELESS CHESTNUT HILLSIDE	1121 SAN FRANCISCO	94080	CA San Mateo Co. BI
DALY CITY	S115779981	GARDEN VALLEY SITE	2ND AVENUE, 3RD AVENUE	94014	CA VCP, CA ENVIROSTOR
DALY CITY	1003878889	PG&E GAS PLANT DALY CITY	SW COR SCHERWIN & GENEVA STS		CERC-NFRAP
DALY CITY		MICROWAVE STATION/RADIO TRANS	60 POINTE PACIFIC		CA San Mateo Co. BI
MILLBRAE	S108225901	APOLLO CLEANERS	128 PARK	94080	
S SAN FRANCISCO	1010730284	HIGHWAY 101/OYSTER POINT	HIGHWAY 101 AT OYSTER POINT BLVD		FINDS
S SAN FRANCISCO	S113757507	OYSTER PT INTERCHANGE	108 HWY 101 OVER CROSSING	94080	CA San Mateo Co. BI
S SAN FRANCISCO		CALIFORNIA WATER SERVICE CO SSF-6	1 ADJACENT TO 480 GRANDVIEW		CA San Mateo Co. BI

Count: 93 records ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
S SAN FRANCISCO	S106928716	LITTLEFIELD ASSOCIATES	C/O COTANA CORP. BOX 10055 PA./468 LITTLEFIELD AVE	94080	CA SWEEPS UST
S SAN FRANCISCO	A100337799	PG&E EAST GRAND SUBSTATION	GRAND	94080	CA AST
S SAN FRANCISCO	S113758934	ONYX PHARMACEUTICALS	249/259 GRAND	94080	CA San Mateo Co. BI
S SAN FRANCISCO	S113756495	OYSTER POINT MARINA	98 HARBOR MASTER	94080	CA San Mateo Co. BI
S SAN FRANCISCO	S113758488	SELECT APPLIANCE	159 HARRIS	94080	CA San Mateo Co. BI
S SAN FRANCISCO	S113755603	COSTERS INC	164 HARRIS	94080	CA San Mateo Co. BI
S SAN FRANCISCO	S113758078	CRYOSPEC INC	156 HARRIS	94080	CA San Mateo Co. BI
S SAN FRANCISCO	S113758311	B A R CONTRACTORS INC	150 HARRIS	94080	CA San Mateo Co. BI
S SAN FRANCISCO	S113757078	NURSERY SITE	480 HILLSIDE & CHESTNUT	94080	CA San Mateo Co. BI
S SAN FRANCISCO	S106926202	FIRE STATION #5 AT TERRA BAY	HILLSIDE BLVD	94080	CA SWEEPS UST
S SAN FRANCISCO	S113758360	HILL ROM INC	375 OYSTER POINT	94080	CA San Mateo Co. BI
S SAN FRANCISCO	S105025940	SCR-USX CORP	OYSTER POINT BLVD AND U S	94080	CA HIST CORTESE
S SAN FRANCISCO	S113759140	LIFE TECHNOLOGIES	180-200 OYSTER POINT	94080	CA San Mateo Co. BI
S SAN FRANCISCO	S113756184	CALTAG	436 ROZZI	94080	CA San Mateo Co. BI
S SAN FRANCISCO	S113756892	FEDERAL SUPPLY WAREHOUSE	170 SAN MATEO	94080	CA San Mateo Co. BI
S SAN FRANCISCO		FIRE STATION #5	1151 SAN FRANCISCO	94080	CA San Mateo Co. BI
S SAN FRANCISCO	S106931842	SAN MATEO AVENUE SEWAGE/PUMP STATION	SAN MATEO AVE	94080	CA SWEEPS UST
S SAN FRANCISCO	S114458590		SAN FRANCISCO INT AIRPORT3A&3B	94080	CA LUST
S. SAN FRANCISCO	S102008390	HOMART DEVELOPMENT	480 INDUSTRIAL WAY		CA HIST Cal-Sites
SAN FRANCISCO	1004677236		405 F HUNTERS PNT NAVAL SHIPYA	94124	RCRA NonGen / NLR, FINDS
SAN FRANCISCO	1004675704		HUNTERS PT NAVAL SHIPYARD	94124	RCRA-SQG
SAN FRANCISCO	1004678458		704 HUNTERS PT NAVAL SHIPYARD		RCRA NonGen / NLR, FINDS
SAN FRANCISCO	1004676878	U S S MEYERKORD F F1058 EX U S S MEYERKO	HUNTERS POINT NAVAL SHIPYARD		RCRA-SQG
SAN FRANCISCO	1004675478	U S S LOCKWOOD FF1064 EX LOCKWOOD- W M A	HUNTERS POINT NAVAL SHIPYARD	94124	RCRA-SQG
SAN FRANCISCO	1004677032	USS LANG EX USS LANG WMAC INC	HUNTERS PT NAVAL SHIPYARD	94124	RCRA-SQG
SAN FRANCISCO	S101592211	VACANT	2225 INGALLS STREET	94124	CA LUST, CA FID UST, CA SWEEPS
					UST, CA LOS ANGELES CO. HMS
SAN FRANCISCO	1003878799	CANDLESTICK PT STATE REC AREA	S OF HUNTERS PT	94124	CERC-NFRAP
SAN FRANCISCO	U001593886	UNION OIL BULK PLANT #0682	OLD COUNTY RD.	94005	CA HIST UST
SAN FRANCISCO	1003878518	ISLAIS CREEK AREA	E SIDE OF BAY	94124	CERC-NFRAP
SAN FRANCISCO	S100538896	CANDLESTICK PARK STATE RECREATION AREA	THOMAS AND YOSEMITE AVENUES	94124	CA ENVIROSTOR
SAN FRANCISCO	S105026202	COMMERCIAL	14315 VAN DYKE	94124	CA HIST CORTESE
SAN MATEO COUNTY	M300006422	CALIFORNIA ROCK & ASPHALT, INC.	GUADALUPE VALLEY QUARRY		US MINES
SAN MATEO COUNTY	M300006421	LANGLEY HILL QUARRY	LANGLEY HILL QUARRY		US MINES
SAN MATEO COUNTY	M300006423	WEST COAST AGGREGATES, INC.	PILARCITOS QUARRY		US MINES
SO SAN FRANCISCO	1000595630	PG & E EAST GRAND SUBSTATION	E GRAND AVE BTWN HARBOR & INDL	94080	RCRA-SQG
SO. SAN FRANCISCO ,CA	S103441138	WDR-OYSTER POINT (DREDGING) MA	OYSTER POINT BLVD.	94080	CA WMUDS/SWAT
SOUTH SAN FRANCISCO	S105026700	HIGHWAY 101/OYSTER POINT	HWY 101 AT OYSTER POINT B	94080	CA HIST CORTESE
SOUTH SAN FRANCISCO	1008194352	SSF HWY 280	HWY 280 SOUTH SAN FRANCISCO	94080	RCRA-SQG
SOUTH SAN FRANCISCO	1003878263	SOUTH SAN FRANCISCO MUNICIPAL DUMP	BEL AIR RD OFF S AIRPORT BLVD	94080	CERC-NFRAP
SOUTH SAN FRANCISCO	U001594750	DECHLORINATION FACILITY	FORBES BLVD.	94080	CA HIST UST
SOUTH SAN FRANCISCO	S105026697	HOMART DEVELOPMENT CORP.	GATEWAY BLVD & OYSTER POI	94080	CA HIST CORTESE
SOUTH SAN FRANCISCO	1000698160	ORRELL - KEEFE INC	GRAND AVE OVERPASS	94080	RCRA-SQG
SOUTH SAN FRANCISCO	S113756578	DEPT OF RADIOLOGY UCSF	389 OYSTER POINT	94080	CA San Mateo Co. BI
SOUTH SAN FRANCISCO	S109521470	SFIA - POLICE SHOOTING RANGE @ SAN	SAN FRANCISCO INTERNATIONAL AIRPORT	94080	CA SLIC
		FRANCISCO INTERNATIONAL A			
SOUTH SAN FRANCISCO	U001594823	SEWAGE PUMP STATION NO. 9	SAN MATEO AV.	94080	CA HIST UST

Count: 93 records ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
SOUTH SAN FRANCISCO	S105026714	SWINERTON & WALBERG COMPA	91 SPRUCE & CANAL	94080	CA HIST CORTESE
SOUTH SAN FRANCISCO	S105026718	CHEVRON	UNKNOWN SAN FRAN AIRPORT	94080	CA HIST CORTESE
SOUTH SAN FRANCISCO	S105026721	FAA	UNKNOWN SAN FRAN AIRPORT	94080	CA HIST CORTESE, CA LUST
SOUTH SAN FRANCISCO	S105026716	DI SALVO TRUCKING	UNKNWON OYSTER POINT BLVD	94080	CA HIST CORTESE
SOUTH SAN FRANCISCO	1004676638	U S STEEL SHEARWATER SITE	VETERANS BLVD	94080	RCRA-SQG

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.

## **FEDERAL RECORDS**

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: 10/25/2013 Source: EPA
Date Data Arrived at EDR: 11/11/2013 Telephone: N/A

Number of Days to Update: 78 Next Scheduled EDR Contact: 10/20/2014
Data Release Frequency: Quarterly

**NPL Site Boundaries** 

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1 EPA Region 6

Telephone 617-918-1143 Telephone: 214-655-6659

EPA Region 3 EPA Region 7

Telephone 215-814-5418 Telephone: 913-551-7247

EPA Region 4 EPA Region 8

Telephone 404-562-8033 Telephone: 303-312-6774

EPA Region 5 EPA Region 9

Telephone 312-886-6686 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: 10/25/2013 Source: EPA
Date Data Arrived at EDR: 11/11/2013 Telephone: N/A

Number of Days to Update: 78 Next Scheduled EDR Contact: 10/20/2014
Data Release Frequency: Quarterly

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: 10/25/2013 Source: EPA
Date Data Arrived at EDR: 11/11/2013 Telephone: N/A

Number of Days to Update: 78 Next Scheduled EDR Contact: 10/20/2014
Data Release Frequency: Quarterly

#### NPL LIENS: Federal Superfund Liens

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

Date of Government Version: 10/15/1991 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

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

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

Date of Government Version: 10/25/2013 Date Data Arrived at EDR: 11/11/2013 Date Made Active in Reports: 02/13/2014

Number of Days to Update: 94

Source: EPA

Telephone: 703-412-9810 Last EDR Contact: 08/28/2014

Next Scheduled EDR Contact: 12/08/2014 Data Release Frequency: Quarterly

#### CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

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

Date of Government Version: 10/25/2013 Date Data Arrived at EDR: 11/11/2013 Date Made Active in Reports: 02/13/2014

Number of Days to Update: 94

Source: EPA

Telephone: 703-412-9810 Last EDR Contact: 08/28/2014

Next Scheduled EDR Contact: 12/08/2014 Data Release Frequency: Quarterly

### LIENS 2: CERCLA Lien Information

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

Date of Government Version: 02/18/2014 Date Data Arrived at EDR: 03/18/2014 Date Made Active in Reports: 04/24/2014

Number of Days to Update: 37

Source: Environmental Protection Agency

Telephone: 202-564-6023 Last EDR Contact: 07/22/2014

Next Scheduled EDR Contact: 11/10/2014 Data Release Frequency: Varies

### CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/10/2014 Date Data Arrived at EDR: 07/02/2014 Date Made Active in Reports: 09/18/2014

Number of Days to Update: 78

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 07/02/2014

Next Scheduled EDR Contact: 10/13/2014 Data Release Frequency: Quarterly

#### 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: 06/10/2014 Date Data Arrived at EDR: 07/02/2014 Date Made Active in Reports: 09/18/2014

Number of Days to Update: 78

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 07/02/2014

Next Scheduled EDR Contact: 10/13/2014 Data Release Frequency: Quarterly

### 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: 06/10/2014 Date Data Arrived at EDR: 07/02/2014 Date Made Active in Reports: 09/18/2014

Number of Days to Update: 78

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 07/02/2014

Next Scheduled EDR Contact: 10/13/2014 Data Release Frequency: Quarterly

## RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 06/10/2014 Date Data Arrived at EDR: 07/02/2014 Date Made Active in Reports: 09/18/2014

Number of Days to Update: 78

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 07/02/2014

Next Scheduled EDR Contact: 10/13/2014 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: 06/10/2014 Date Data Arrived at EDR: 07/02/2014 Date Made Active in Reports: 09/18/2014

Number of Days to Update: 78

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 07/02/2014

Next Scheduled EDR Contact: 10/13/2014 Data Release Frequency: Varies

## RCRA NonGen / NLR: RCRA - Non Generators

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

Date of Government Version: 06/10/2014 Date Data Arrived at EDR: 07/02/2014 Date Made Active in Reports: 09/18/2014

Number of Days to Update: 78

Source: Environmental Protection Agency Telephone: (415) 495-8895

Last EDR Contact: 07/02/2014

Next Scheduled EDR Contact: 10/13/2014

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: 06/23/2014 Date Data Arrived at EDR: 07/15/2014 Date Made Active in Reports: 09/18/2014

Number of Days to Update: 65

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 09/08/2014

Next Scheduled EDR Contact: 12/22/2014 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: 06/23/2014 Date Data Arrived at EDR: 07/15/2014 Date Made Active in Reports: 09/18/2014

Number of Days to Update: 65

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 09/08/2014

Next Scheduled EDR Contact: 12/22/2014 Data Release Frequency: Varies

## 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: 09/30/2013 Date Data Arrived at EDR: 10/01/2013 Date Made Active in Reports: 12/06/2013

Number of Days to Update: 66

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180 Last EDR Contact: 07/03/2014

Next Scheduled EDR Contact: 07/14/2014 Data Release Frequency: Annually

#### HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 06/30/2014 Date Data Arrived at EDR: 07/01/2014 Date Made Active in Reports: 09/18/2014

Number of Days to Update: 79

Source: U.S. Department of Transportation

Telephone: 202-366-4555 Last EDR Contact: 07/01/2014

Next Scheduled EDR Contact: 10/13/2014 Data Release Frequency: Annually

## DOT OPS: Incident and Accident Data

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

Date of Government Version: 07/31/2012 Date Data Arrived at EDR: 08/07/2012 Date Made Active in Reports: 09/18/2012

Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety

Telephone: 202-366-4595 Last EDR Contact: 08/06/2014

Next Scheduled EDR Contact: 11/17/2014 Data Release Frequency: Varies

#### 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.

Date of Government Version: 05/28/2014 Date Data Arrived at EDR: 06/20/2014 Date Made Active in Reports: 07/15/2014

Number of Days to Update: 25

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 09/03/2014

Next Scheduled EDR Contact: 12/15/2014 Data Release Frequency: Quarterly

### 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: 07/01/2014
Date Data Arrived at EDR: 07/03/2014
Date Made Active in Reports: 07/28/2014

Number of Days to Update: 25

Source: Environmental Protection Agency

Telephone: 202-566-2777 Last EDR Contact: 09/23/2014

Next Scheduled EDR Contact: 01/05/2015 Data Release Frequency: Semi-Annually

#### 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: 07/18/2014

Next Scheduled EDR Contact: 10/27/2014 Data Release Frequency: Semi-Annually

### FUDS: Formerly Used Defense Sites

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

Date of Government Version: 06/06/2014 Date Data Arrived at EDR: 09/10/2014 Date Made Active in Reports: 09/18/2014

Number of Days to Update: 8

Source: U.S. Army Corps of Engineers

Telephone: 202-528-4285 Last EDR Contact: 09/10/2014

Next Scheduled EDR Contact: 12/22/2014 Data Release Frequency: Varies

### LUCIS: Land Use Control Information System

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

Date of Government Version: 05/28/2014 Date Data Arrived at EDR: 05/30/2014 Date Made Active in Reports: 06/17/2014

Number of Days to Update: 18

Source: Department of the Navy Telephone: 843-820-7326 Last EDR Contact: 08/14/2014

Next Scheduled EDR Contact: 12/01/2014 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.

Date of Government Version: 12/31/2013 Date Data Arrived at EDR: 01/24/2014 Date Made Active in Reports: 02/24/2014

Number of Days to Update: 31

Source: Department of Justice, Consent Decree Library

Telephone: Varies

Last EDR Contact: 06/30/2014

Next Scheduled EDR Contact: 10/13/2014 Data Release Frequency: Varies

ROD: Records Of Decision

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

Date of Government Version: 11/25/2013 Date Data Arrived at EDR: 12/12/2013 Date Made Active in Reports: 02/24/2014

Number of Days to Update: 74

Source: EPA

Telephone: 703-416-0223 Last EDR Contact: 09/09/2014

Next Scheduled EDR Contact: 12/22/2014 Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

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

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

Number of Days to Update: 146

Source: Department of Energy Telephone: 505-845-0011 Last EDR Contact: 08/20/2014

Next Scheduled EDR Contact: 12/08/2014 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: 07/25/2014

Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: No Update Planned

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: 01/30/2014 Date Data Arrived at EDR: 03/05/2014 Date Made Active in Reports: 07/15/2014

Number of Days to Update: 132

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959 Last EDR Contact: 09/04/2014

Next Scheduled EDR Contact: 12/15/2014 Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

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

Date of Government Version: 12/31/2011 Date Data Arrived at EDR: 07/31/2013 Date Made Active in Reports: 09/13/2013

Number of Days to Update: 44

Source: EPA

Telephone: 202-566-0250 Last EDR Contact: 08/29/2014

Next Scheduled EDR Contact: 12/08/2014 Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

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

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

Number of Days to Update: 64

Source: EPA

Telephone: 202-260-5521 Last EDR Contact: 09/26/2014

Next Scheduled EDR Contact: 01/05/2015 Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

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

Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-566-1667 Last EDR Contact: 08/19/2014

Next Scheduled EDR Contact: 12/08/2014 Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

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

Number of Days to Update: 25

Source: EPA

Telephone: 202-566-1667 Last EDR Contact: 08/19/2014

Next Scheduled EDR Contact: 12/08/2014 Data Release Frequency: Quarterly

## HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

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

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

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2007

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

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

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

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

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2008

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

#### SSTS: Section 7 Tracking Systems

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

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

Number of Days to Update: 77

Source: EPA

Telephone: 202-564-4203 Last EDR Contact: 07/22/2014

Next Scheduled EDR Contact: 11/10/2014 Data Release Frequency: Annually

### 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: 05/06/2014 Date Data Arrived at EDR: 05/16/2014 Date Made Active in Reports: 06/17/2014

Number of Days to Update: 32

Source: Environmental Protection Agency

Telephone: 202-564-5088 Last EDR Contact: 10/09/2014

Next Scheduled EDR Contact: 10/27/2014 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: 06/01/2013 Date Data Arrived at EDR: 07/17/2013 Date Made Active in Reports: 11/01/2013

Number of Days to Update: 107

Source: EPA

Telephone: 202-566-0500 Last EDR Contact: 07/18/2014

Next Scheduled EDR Contact: 10/27/2014 Data Release Frequency: Annually

#### MLTS: Material Licensing Tracking System

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

Date of Government Version: 07/22/2013 Date Data Arrived at EDR: 08/02/2013 Date Made Active in Reports: 11/01/2013

Number of Days to Update: 91

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169 Last EDR Contact: 09/08/2014

Next Scheduled EDR Contact: 12/22/2014 Data Release Frequency: Quarterly

### RADINFO: Radiation Information Database

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

Date of Government Version: 07/07/2014 Date Data Arrived at EDR: 07/10/2014 Date Made Active in Reports: 07/28/2014

Number of Days to Update: 18

Source: Environmental Protection Agency

Telephone: 202-343-9775 Last EDR Contact: 07/10/2014

Next Scheduled EDR Contact: 10/20/2014 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: 11/18/2013 Date Data Arrived at EDR: 02/27/2014 Date Made Active in Reports: 03/12/2014

Number of Days to Update: 13

Source: EPA

Telephone: (415) 947-8000 Last EDR Contact: 09/10/2014

Next Scheduled EDR Contact: 12/22/2014 Data Release Frequency: Quarterly

### RAATS: RCRA Administrative Action Tracking System

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

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

Number of Days to Update: 35

Source: EPA

Telephone: 202-564-4104 Last EDR Contact: 06/02/2008

Next Scheduled EDR Contact: 09/01/2008

Data Release Frequency: No Update Planned

### 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: 04/01/2014 Date Data Arrived at EDR: 05/23/2014 Date Made Active in Reports: 07/28/2014 Number of Days to Update: 66 Source: Environmental Protection Agency Telephone: 202-564-8600 Last EDR Contact: 07/22/2014

Next Scheduled EDR Contact: 11/10/2014 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: 12/31/2011 Date Data Arrived at EDR: 02/26/2013 Date Made Active in Reports: 04/19/2013

Number of Days to Update: 52

Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 08/29/2014

Next Scheduled EDR Contact: 12/08/2014 Data Release Frequency: Biennially

### 2020 COR ACTION: 2020 Corrective Action Program List

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

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

Number of Days to Update: 7

Source: Environmental Protection Agency Telephone: 703-308-4044 Last EDR Contact: 08/15/2014 Next Scheduled EDR Contact: 11/24/2014 Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 06/04/2014 Date Data Arrived at EDR: 06/12/2014 Date Made Active in Reports: 07/28/2014

Number of Days to Update: 46

Source: Environmental Protection Agency

Telephone: 703-603-8787 Last EDR Contact: 07/01/2014

Next Scheduled EDR Contact: 10/20/2014 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 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

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

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 04/15/2013 Date Data Arrived at EDR: 07/03/2013 Date Made Active in Reports: 09/13/2013

Number of Days to Update: 72

Source: EPA

Telephone: 202-564-6023 Last EDR Contact: 07/01/2014

Next Scheduled EDR Contact: 10/13/2014 Data Release Frequency: Quarterly

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: 06/19/2014 Date Data Arrived at EDR: 06/20/2014 Date Made Active in Reports: 07/28/2014

Number of Days to Update: 38

Source: Environmental Protection Agency

Telephone: 202-566-1917 Last EDR Contact: 08/14/2014

Next Scheduled EDR Contact: 12/01/2014 Data Release Frequency: Quarterly

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

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

Date of Government Version: 03/07/2011 Date Data Arrived at EDR: 03/09/2011 Date Made Active in Reports: 05/02/2011

Number of Days to Update: 54

Source: Environmental Protection Agency

Telephone: 615-532-8599 Last EDR Contact: 07/25/2014

Next Scheduled EDR Contact: 11/03/2014 Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data

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

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 08/07/2009 Date Made Active in Reports: 10/22/2009

Number of Days to Update: 76

Source: Department of Energy Telephone: 202-586-8719 Last EDR Contact: 07/18/2014

Next Scheduled EDR Contact: 10/27/2014 Data Release Frequency: Varies

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: 10/23/2013 Date Data Arrived at EDR: 11/06/2013 Date Made Active in Reports: 12/06/2013

Number of Days to Update: 30

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 06/25/2014

Next Scheduled EDR Contact: 10/13/2014 Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data A listing of minor source facilities.

Date of Government Version: 10/23/2013 Date Data Arrived at EDR: 11/06/2013 Date Made Active in Reports: 12/06/2013

Number of Days to Update: 30

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 06/25/2014

Next Scheduled EDR Contact: 10/13/2014 Data Release Frequency: Annually

US HIST CDL: National Clandestine Laboratory Register

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

Date of Government Version: 05/28/2014 Date Data Arrived at EDR: 06/20/2014 Date Made Active in Reports: 07/15/2014

Number of Days to Update: 25

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 09/03/2014

Next Scheduled EDR Contact: 12/15/2014 Data Release Frequency: No Update Planned

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010 Date Data Arrived at EDR: 02/16/2010 Date Made Active in Reports: 04/12/2010

Number of Days to Update: 55

Source: FEMA

Telephone: 202-646-5797 Last EDR Contact: 07/08/2014

Next Scheduled EDR Contact: 10/27/2014 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: 03/14/2014 Date Data Arrived at EDR: 06/11/2014 Date Made Active in Reports: 07/28/2014

Number of Days to Update: 47

Source: Environmental Protection Agency

Telephone: N/A

Last EDR Contact: 09/10/2014

Next Scheduled EDR Contact: 12/22/2014 Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

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

Date of Government Version: 02/01/2011 Date Data Arrived at EDR: 10/19/2011 Date Made Active in Reports: 01/10/2012

Number of Days to Update: 83

Source: Environmental Protection Agency

Telephone: 202-566-0517 Last EDR Contact: 08/01/2014

Next Scheduled EDR Contact: 11/10/2014 Data Release Frequency: Varies

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: 04/01/2014 Date Data Arrived at EDR: 07/08/2014 Date Made Active in Reports: 08/22/2014

Number of Days to Update: 45

Source: Environmental Protection Agency

Telephone: 703-603-8704 Last EDR Contact: 07/08/2014

Next Scheduled EDR Contact: 10/20/2014 Data Release Frequency: Varies

#### 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 Date Data Arrived at EDR: 03/21/2014 Date Made Active in Reports: 06/17/2014

Number of Days to Update: 88

Source: Environmental Protection Agency

Telephone: 617-520-3000 Last EDR Contact: 08/15/2014

Next Scheduled EDR Contact: 11/24/2014 Data Release Frequency: Quarterly

## STATE AND LOCAL RECORDS

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

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

SCH: School Property Evaluation Program

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

Date of Government Version: 08/05/2014 Date Data Arrived at EDR: 08/06/2014 Date Made Active in Reports: 09/26/2014

Number of Days to Update: 51

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 08/06/2014

Next Scheduled EDR Contact: 11/17/2014 Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

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

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

Number of Days to Update: 27

Source: State Water Resources Control Board

Telephone: 916-227-4364 Last EDR Contact: 01/26/2009

Next Scheduled EDR Contact: 04/27/2009 Data Release Frequency: No Update Planned

SWF/LF (SWIS): Solid Waste Information System

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

Date of Government Version: 05/19/2014 Date Data Arrived at EDR: 05/20/2014 Date Made Active in Reports: 05/22/2014

Number of Days to Update: 2

Source: Department of Resources Recycling and Recovery

Telephone: 916-341-6320 Last EDR Contact: 08/18/2014

Next Scheduled EDR Contact: 12/01/2014 Data Release Frequency: Quarterly

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 01/15/2014 Date Data Arrived at EDR: 03/18/2014 Date Made Active in Reports: 04/24/2014

Number of Days to Update: 37

Source: Deaprtment of Conservation

Telephone: 916-445-2408 Last EDR Contact: 09/17/2014

Next Scheduled EDR Contact: 12/29/2014 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: 08/19/2014

Next Scheduled EDR Contact: 12/08/2014 Data Release Frequency: Quarterly

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 05/19/2014 Date Data Arrived at EDR: 05/20/2014 Date Made Active in Reports: 05/28/2014

Number of Days to Update: 8

Source: State Water Resources Control Board

Telephone: 916-445-9379 Last EDR Contact: 08/18/2014

Next Scheduled EDR Contact: 12/01/2014
Data Release Frequency: Quarterly

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

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

Date of Government Version: 06/30/2014 Date Data Arrived at EDR: 07/01/2014 Date Made Active in Reports: 07/28/2014

Number of Days to Update: 27

Source: CAL EPA/Office of Emergency Information

Telephone: 916-323-3400 Last EDR Contact: 07/01/2014

Next Scheduled EDR Contact: 10/13/2014 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

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 06/16/2014 Date Data Arrived at EDR: 06/17/2014 Date Made Active in Reports: 07/11/2014

Number of Days to Update: 24

Source: Department of Conservation

Telephone: 916-323-3836 Last EDR Contact: 09/17/2014

Next Scheduled EDR Contact: 12/29/2014 Data Release Frequency: Quarterly

LUST REG 7: Leaking Underground Storage Tank Case Listing

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

Date of Government Version: 02/26/2004 Date Data Arrived at EDR: 02/26/2004 Date Made Active in Reports: 03/24/2004

Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)

Telephone: 760-776-8943 Last EDR Contact: 08/01/2011

Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 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 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 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.

Telephone: 916-464-4834

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

Reports: 07/31/2008 Last EDR Contact: 07/01/2011

Next Scheduled EDR Contact: 10/17/2011
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 Source: California Regional Water Quality Control Board Lahontan Region (6) Telephone: 530-542-5572

Date Made Active in Reports: 10/07/2009 Number of Days to Update: 27

Last EDR Contact: 09/12/2011 Next Scheduled EDR Contact: 12/26/2011 Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

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

Date of Government Version: 06/07/2005 Date Data Arrived at EDR: 06/07/2005 Date Made Active in Reports: 06/29/2005 Source: California Regional Water Quality Control Board Victorville Branch Office (6)

Source: California Regional Water Quality Control Board Central Valley Region (5)

Telephone: 760-241-7365 05 Last EDR Contact: 09/12/2011

Number of Days to Update: 22

Next Scheduled EDR Contact: 12/26/2011 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 Source: California Regional Water Quality Control Board Santa Ana Region (8)

Telephone: 909-782-4496 Last EDR Contact: 08/15/2011

Number of Days to Update: 41

Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: Varies

## 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: Geotracker's Leaking Underground Fuel Tank Report

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

Date of Government Version: 07/30/2014 Date Data Arrived at EDR: 07/31/2014 Date Made Active in Reports: 08/22/2014 Number of Days to Update: 22 Source: State Water Resources Control Board

Telephone: see region list Last EDR Contact: 09/17/2014

Next Scheduled EDR Contact: 12/29/2014 Data Release Frequency: Quarterly

CA FID UST: Facility Inventory Database

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

Date of Government Version: 10/31/1994 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

SLIC: Statewide SLIC Cases

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 07/30/2014 Date Data Arrived at EDR: 07/31/2014 Date Made Active in Reports: 08/25/2014

Number of Days to Update: 25

Source: State Water Resources Control Board

Telephone: 866-480-1028 Last EDR Contact: 09/17/2014

Next Scheduled EDR Contact: 12/29/2014

Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003 Date Data Arrived at EDR: 04/07/2003 Date Made Active in Reports: 04/25/2003

Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)

Telephone: 707-576-2220 Last EDR Contact: 08/01/2011

Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

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

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

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

Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)

Telephone: 510-286-0457 Last EDR Contact: 09/19/2011

Next Scheduled EDR Contact: 01/02/2012 Data Release Frequency: Quarterly

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

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006 Date Data Arrived at EDR: 05/18/2006 Date Made Active in Reports: 06/15/2006

Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)

Telephone: 805-549-3147 Last EDR Contact: 07/18/2011

Next Scheduled EDR Contact: 10/31/2011 Data Release Frequency: Semi-Annually

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

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

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

Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)

Telephone: 213-576-6600 Last EDR Contact: 07/01/2011

Next Scheduled EDR Contact: 10/17/2011

Data Release Frequency: Varies

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

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005 Date Data Arrived at EDR: 04/05/2005 Date Made Active in Reports: 04/21/2005

Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)

Telephone: 916-464-3291 Last EDR Contact: 09/12/2011

Next Scheduled EDR Contact: 12/26/2011 Data Release Frequency: Semi-Annually

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

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

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

Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch

Telephone: 619-241-6583 Last EDR Contact: 08/15/2011

Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004 Date Data Arrived at EDR: 09/07/2004 Date Made Active in Reports: 10/12/2004

Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region

Telephone: 530-542-5574 Last EDR Contact: 08/15/2011

Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

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

Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region

Telephone: 760-346-7491 Last EDR Contact: 08/01/2011

Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

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

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008 Date Data Arrived at EDR: 04/03/2008 Date Made Active in Reports: 04/14/2008

Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)

Telephone: 951-782-3298 Last EDR Contact: 09/12/2011

Next Scheduled EDR Contact: 12/26/2011 Data Release Frequency: Semi-Annually

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

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

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

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 07/30/2014 Date Data Arrived at EDR: 07/31/2014 Date Made Active in Reports: 08/20/2014

Number of Days to Update: 20

Source: SWRCB Telephone: 916-341-5851 Last EDR Contact: 09/19/2014

Next Scheduled EDR Contact: 12/29/2014 Data Release Frequency: Semi-Annually

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/23/2009 Date Data Arrived at EDR: 09/23/2009 Date Made Active in Reports: 10/01/2009

Number of Days to Update: 8

Source: Department of Public Health

Telephone: 707-463-4466 Last EDR Contact: 08/28/2014

Next Scheduled EDR Contact: 12/15/2014 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

LIENS: Environmental Liens Listing

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

Date of Government Version: 05/05/2014 Date Data Arrived at EDR: 05/06/2014 Date Made Active in Reports: 05/19/2014

Number of Days to Update: 13

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 09/08/2014

Next Scheduled EDR Contact: 12/22/2014 Data Release Frequency: Varies

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.

Telephone: N/A

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

Last EDR Contact: 06/03/2005

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

Source: State Water Resources Control Board

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: 06/26/2014 Date Data Arrived at EDR: 07/28/2014 Date Made Active in Reports: 09/15/2014

Number of Days to Update: 49

Source: Office of Emergency Services Telephone: 916-845-8400 Last EDR Contact: 07/28/2014

Next Scheduled EDR Contact: 11/10/2014

Data Release Frequency: Varies

LDS: Land Disposal Sites Listing

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

Date of Government Version: 07/30/2014 Date Data Arrived at EDR: 07/31/2014 Date Made Active in Reports: 08/22/2014

Number of Days to Update: 22

Source: State Water Quality Control Board

Telephone: 866-480-1028 Last EDR Contact: 09/17/2014

Next Scheduled EDR Contact: 12/29/2014 Data Release Frequency: Quarterly

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 08/01/2009 Date Data Arrived at EDR: 09/10/2009 Date Made Active in Reports: 10/01/2009

Number of Days to Update: 21

Source: California Environmental Protection Agency

Telephone: 916-327-5092 Last EDR Contact: 07/18/2014

Next Scheduled EDR Contact: 10/20/2014 Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing

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

Date of Government Version: 07/30/2014 Date Data Arrived at EDR: 07/31/2014 Date Made Active in Reports: 08/25/2014

Number of Days to Update: 25

Source: State Water Resources Control Board

Telephone: 866-480-1028 Last EDR Contact: 09/17/2014

Next Scheduled EDR Contact: 12/29/2014 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: 10/21/1993 Date Data Arrived at EDR: 11/01/1993 Date Made Active in Reports: 11/19/1993

Number of Days to Update: 18

Source: State Water Resources Control Board

Telephone: 916-445-3846 Last EDR Contact: 09/22/2014

Next Scheduled EDR Contact: 01/05/2015 Data Release Frequency: No Update Planned

DEED: Deed Restriction Listing

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

Date of Government Version: 06/09/2014 Date Data Arrived at EDR: 06/11/2014 Date Made Active in Reports: 07/09/2014

Number of Days to Update: 28

Source: DTSC and SWRCB Telephone: 916-323-3400 Last EDR Contact: 09/10/2014

Next Scheduled EDR Contact: 12/22/2014 Data Release Frequency: Semi-Annually

VCP: Voluntary Cleanup Program Properties

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

Date of Government Version: 08/05/2014 Date Data Arrived at EDR: 08/06/2014 Date Made Active in Reports: 09/26/2014

Number of Days to Update: 51

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 08/06/2014

Next Scheduled EDR Contact: 11/17/2014 Data Release Frequency: Quarterly

### **DRYCLEANERS: Cleaner Facilities**

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

Date of Government Version: 06/28/2014 Date Data Arrived at EDR: 07/03/2014 Date Made Active in Reports: 08/21/2014

Number of Days to Update: 49

Source: Department of Toxic Substance Control

Telephone: 916-327-4498 Last EDR Contact: 09/08/2014

Next Scheduled EDR Contact: 12/22/2014 Data Release Frequency: Annually

## WIP: Well Investigation Program Case List

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

Date of Government Version: 07/03/2009 Date Data Arrived at EDR: 07/21/2009 Date Made Active in Reports: 08/03/2009

Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board

Telephone: 213-576-6726 Last EDR Contact: 06/25/2014

Next Scheduled EDR Contact: 10/13/2014 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: 05/30/2014 Date Data Arrived at EDR: 05/30/2014 Date Made Active in Reports: 07/07/2014

Number of Days to Update: 38

Source: State Water Resoruces Control Board

Telephone: 916-445-9379 Last EDR Contact: 08/08/2014

Next Scheduled EDR Contact: 11/10/2014 Data Release Frequency: Varies

### 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: 06/30/2014 Date Data Arrived at EDR: 09/02/2014 Date Made Active in Reports: 09/24/2014

Number of Days to Update: 22

Source: Department of Toxic Substances Control

Telephone: 916-255-6504 Last EDR Contact: 08/29/2014

Next Scheduled EDR Contact: 10/27/2014 Data Release Frequency: Varies

### RESPONSE: State Response Sites

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

Date of Government Version: 08/05/2014 Date Data Arrived at EDR: 08/06/2014 Date Made Active in Reports: 09/26/2014

Number of Days to Update: 51

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 08/06/2014

Next Scheduled EDR Contact: 11/17/2014 Data Release Frequency: Quarterly

## HAZNET: Facility and Manifest Data

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

Date of Government Version: 12/31/2012 Date Data Arrived at EDR: 07/16/2013 Date Made Active in Reports: 08/26/2013

Number of Days to Update: 41

Source: California Environmental Protection Agency

Telephone: 916-255-1136 Last EDR Contact: 07/18/2014

Next Scheduled EDR Contact: 10/27/2014 Data Release Frequency: Annually

EMI: Emissions Inventory Data

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

Date of Government Version: 12/31/2012 Date Data Arrived at EDR: 03/25/2014 Date Made Active in Reports: 04/28/2014

Number of Days to Update: 34

Source: California Air Resources Board

Telephone: 916-322-2990 Last EDR Contact: 09/26/2014

Next Scheduled EDR Contact: 01/05/2015 Data Release Frequency: Varies

HAULERS: Registered Waste Tire Haulers Listing A listing of registered waste tire haulers.

Date of Government Version: 02/18/2014 Date Data Arrived at EDR: 02/20/2014 Date Made Active in Reports: 03/27/2014

Number of Days to Update: 35

Source: Integrated Waste Management Board

Telephone: 916-341-6422 Last EDR Contact: 08/14/2014

Next Scheduled EDR Contact: 12/01/2014 Data Release Frequency: Varies

**ENVIROSTOR:** EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes 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: 08/05/2014 Date Data Arrived at EDR: 08/06/2014 Date Made Active in Reports: 09/26/2014

Number of Days to Update: 51

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 08/06/2014

Next Scheduled EDR Contact: 11/17/2014 Data Release Frequency: Quarterly

PROC: Certified Processors Database A listing of certified processors.

Date of Government Version: 06/16/2014 Date Data Arrived at EDR: 06/17/2014 Date Made Active in Reports: 07/10/2014

Number of Days to Update: 23

Source: Department of Conservation

Telephone: 916-323-3836 Last EDR Contact: 09/17/2014

Next Scheduled EDR Contact: 12/29/2014 Data Release Frequency: Quarterly

HWP: EnviroStor Permitted Facilities Listing

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

Date of Government Version: 05/27/2014 Date Data Arrived at EDR: 05/28/2014 Date Made Active in Reports: 07/07/2014

Number of Days to Update: 40

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 08/26/2014

Next Scheduled EDR Contact: 12/08/2014 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: 07/14/2014 Date Data Arrived at EDR: 07/15/2014 Date Made Active in Reports: 07/28/2014

Number of Days to Update: 13

Source: Department of Toxic Substances Control

Telephone: 916-440-7145 Last EDR Contact: 07/15/2014

Next Scheduled EDR Contact: 10/27/2014 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.

Date of Government Version: 05/23/2014 Date Data Arrived at EDR: 06/13/2014 Date Made Active in Reports: 07/09/2014

Number of Days to Update: 26

Source: Department of Public Health Telephone: 916-558-1784

Last EDR Contact: 09/10/2014

Next Scheduled EDR Contact: 12/22/2014 Data Release Frequency: Varies

WMUDS/SWAT: Waste Management Unit Database

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

Date of Government Version: 04/01/2000 Date Data Arrived at EDR: 04/10/2000 Date Made Active in Reports: 05/10/2000

Number of Days to Update: 30

Source: State Water Resources Control Board

Telephone: 916-227-4448 Last EDR Contact: 08/07/2014

Next Scheduled EDR Contact: 11/24/2014 Data Release Frequency: No Update Planned

# TRIBAL RECORDS

INDIAN RESERV: Indian Reservations

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

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 12/08/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 34

Source: USGS

Telephone: 202-208-3710 Last EDR Contact: 07/18/2014

Next Scheduled EDR Contact: 10/27/2014 Data Release Frequency: Semi-Annually

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

Location of open dumps on Indian land.

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

Number of Days to Update: 52

Source: Environmental Protection Agency

Telephone: 703-308-8245 Last EDR Contact: 08/01/2014

Next Scheduled EDR Contact: 11/17/2014 Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/13/2014 Date Data Arrived at EDR: 08/15/2014 Date Made Active in Reports: 08/22/2014

Number of Days to Update: 7

Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 07/22/2014

Next Scheduled EDR Contact: 11/10/2014 Data Release Frequency: Quarterly

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

Date of Government Version: 02/01/2013
Date Data Arrived at EDR: 05/01/2013
Date Made Active in Reports: 11/01/2013

Number of Days to Update: 184

Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 08/01/2014

Next Scheduled EDR Contact: 11/10/2014 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: 05/14/2014 Date Data Arrived at EDR: 05/15/2014 Date Made Active in Reports: 07/15/2014

Number of Days to Update: 61

Source: EPA Region 6 Telephone: 214-665-6597 Last EDR Contact: 07/22/2014

Next Scheduled EDR Contact: 11/20/2014 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: 07/30/2014 Date Data Arrived at EDR: 08/12/2014 Date Made Active in Reports: 08/22/2014

Number of Days to Update: 10

Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 04/22/2014

Next Scheduled EDR Contact: 08/11/2014 Data Release Frequency: Semi-Annually

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: 08/04/2014 Date Data Arrived at EDR: 08/05/2014 Date Made Active in Reports: 08/22/2014

Number of Days to Update: 17

Source: EPA, Region 5 Telephone: 312-886-7439 Last EDR Contact: 04/28/2014

Next Scheduled EDR Contact: 11/10/2014 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: 03/01/2013 Date Data Arrived at EDR: 03/01/2013 Date Made Active in Reports: 04/12/2013

Number of Days to Update: 42

Source: Environmental Protection Agency

Telephone: 415-972-3372 Last EDR Contact: 07/22/2014

Next Scheduled EDR Contact: 11/10/2014 Data Release Frequency: Quarterly

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

Date of Government Version: 05/20/2014 Date Data Arrived at EDR: 06/10/2014 Date Made Active in Reports: 08/22/2014

Number of Days to Update: 73

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 04/28/2014

Next Scheduled EDR Contact: 11/10/2014 Data Release Frequency: Quarterly

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

Date of Government Version: 05/22/2014 Date Data Arrived at EDR: 08/22/2014 Date Made Active in Reports: 09/18/2014

Number of Days to Update: 27

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 04/28/2014

Next Scheduled EDR Contact: 11/10/2014 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: 02/01/2013 Date Data Arrived at EDR: 05/01/2013 Date Made Active in Reports: 01/27/2014

Number of Days to Update: 271

Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 08/01/2014

Next Scheduled EDR Contact: 11/10/2014 Data Release Frequency: Varies

## INDIAN UST R4: Underground Storage Tanks on Indian Land

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

Date of Government Version: 07/30/2014 Date Data Arrived at EDR: 08/12/2014 Date Made Active in Reports: 08/22/2014

Number of Days to Update: 10

Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 04/22/2014

Next Scheduled EDR Contact: 08/11/2014 Data Release Frequency: Semi-Annually

#### INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 08/04/2014 Date Data Arrived at EDR: 08/05/2014 Date Made Active in Reports: 08/22/2014

Number of Days to Update: 17

Source: EPA Region 5 Telephone: 312-886-6136 Last EDR Contact: 04/28/2014

Next Scheduled EDR Contact: 11/10/2014 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: 07/25/2014 Date Data Arrived at EDR: 07/28/2014 Date Made Active in Reports: 08/22/2014

Number of Days to Update: 25

Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 07/22/2014

Next Scheduled EDR Contact: 11/10/2014 Data Release Frequency: Semi-Annually

#### 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: 08/20/2014 Date Data Arrived at EDR: 08/22/2014 Date Made Active in Reports: 09/18/2014

Number of Days to Update: 27

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 04/28/2014

Next Scheduled EDR Contact: 11/10/2014 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: 08/13/2014 Date Data Arrived at EDR: 08/15/2014 Date Made Active in Reports: 08/22/2014

Number of Days to Update: 7

Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 07/22/2014

Next Scheduled EDR Contact: 11/10/2014 Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 08/14/2014 Date Data Arrived at EDR: 08/15/2014 Date Made Active in Reports: 08/22/2014

Number of Days to Update: 7

Source: EPA Region 9 Telephone: 415-972-3368 Last EDR Contact: 07/22/2014

Next Scheduled EDR Contact: 11/10/2014 Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

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

Date of Government Version: 05/20/2014 Date Data Arrived at EDR: 06/10/2014 Date Made Active in Reports: 08/15/2014

Number of Days to Update: 66

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 07/22/2014

Next Scheduled EDR Contact: 11/10/2014
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: 05/30/2014 Date Data Arrived at EDR: 07/01/2014 Date Made Active in Reports: 08/15/2014

Number of Days to Update: 45

Source: EPA, Region 1 Telephone: 617-918-1102 Last EDR Contact: 07/01/2014

Next Scheduled EDR Contact: 10/13/2014 Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

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

Date of Government Version: 03/20/2008 Date Data Arrived at EDR: 04/22/2008 Date Made Active in Reports: 05/19/2008

Number of Days to Update: 27

Source: EPA, Region 7 Telephone: 913-551-7365 Last EDR Contact: 04/20/2009

Next Scheduled EDR Contact: 07/20/2009 Data Release Frequency: Varies

## **EDR PROPRIETARY 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.

Source: EDR, Inc.

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

rived at EDR: N/A

ctive in Reports: N/A

Last EDR Contact: N/A

Avs to Update: N/A

Next Scheduled EDR Contact: N/A

Next Ocheduled EDIT Contact. 14/A

Data Release Frequency: No Update Planned

#### EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations

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

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

#### 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:

#### 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: 07/25/2014 Date Data Arrived at EDR: 07/28/2014 Date Made Active in Reports: 09/15/2014

Number of Days to Update: 49

Source: Alameda County Environmental Health Services

Telephone: 510-567-6700 Last EDR Contact: 06/30/2014

Next Scheduled EDR Contact: 10/13/2014 Data Release Frequency: Semi-Annually

## **Underground Tanks**

Underground storage tank sites located in Alameda county.

Date of Government Version: 07/25/2014 Date Data Arrived at EDR: 07/28/2014 Date Made Active in Reports: 08/20/2014

Number of Days to Update: 23

Source: Alameda County Environmental Health Services

Telephone: 510-567-6700 Last EDR Contact: 06/30/2014

Next Scheduled EDR Contact: 10/13/2014 Data Release Frequency: Semi-Annually

#### AMADOR COUNTY:

CUPA Facility List Cupa Facility List

> Date of Government Version: 09/08/2014 Date Data Arrived at EDR: 09/09/2014 Date Made Active in Reports: 09/24/2014

Number of Days to Update: 15

Source: Amador County Environmental Health

Telephone: 209-223-6439 Last EDR Contact: 09/08/2014

Next Scheduled EDR Contact: 12/22/2014 Data Release Frequency: Varies

## **BUTTE COUNTY:**

CUPA Facility Listing
Cupa facility list.

Date of Government Version: 08/01/2013 Date Data Arrived at EDR: 08/02/2013 Date Made Active in Reports: 08/22/2013

Number of Days to Update: 20

Source: Public Health Department Telephone: 530-538-7149 Last EDR Contact: 07/08/2014

Next Scheduled EDR Contact: 10/27/2014 Data Release Frequency: No Update Planned

#### **CALVERAS COUNTY:**

CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 07/02/2014 Date Data Arrived at EDR: 07/03/2014 Date Made Active in Reports: 07/30/2014

Number of Days to Update: 27

Source: Calveras County Environmental Health

Telephone: 209-754-6399 Last EDR Contact: 06/26/2014

Next Scheduled EDR Contact: 10/13/2014 Data Release Frequency: Quarterly

#### COLUSA COUNTY:

**CUPA Facility List** 

Cupa facility list.

Date of Government Version: 06/11/2014 Date Data Arrived at EDR: 06/13/2014 Date Made Active in Reports: 07/07/2014

Number of Days to Update: 24

Source: Health & Human Services Telephone: 530-458-0396 Last EDR Contact: 08/08/2014

Next Scheduled EDR Contact: 11/24/2014 Data Release Frequency: Varies

#### CONTRA COSTA COUNTY:

## Site List

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

Date of Government Version: 02/24/2014 Date Data Arrived at EDR: 02/25/2014 Date Made Active in Reports: 03/18/2014

Number of Days to Update: 21

Source: Contra Costa Health Services Department

Telephone: 925-646-2286 Last EDR Contact: 08/05/2014

Next Scheduled EDR Contact: 11/17/2014 Data Release Frequency: Semi-Annually

#### **DEL NORTE COUNTY:**

**CUPA Facility List** 

Cupa Facility list

Date of Government Version: 07/31/2014 Date Data Arrived at EDR: 08/05/2014 Date Made Active in Reports: 09/26/2014

Number of Days to Update: 52

Source: Del Norte County Environmental Health Division

Telephone: 707-465-0426 Last EDR Contact: 07/30/2014

Next Scheduled EDR Contact: 11/17/2014

Data Release Frequency: Varies

#### EL DORADO COUNTY:

**CUPA Facility List** 

CUPA facility list.

Date of Government Version: 05/29/2014 Date Data Arrived at EDR: 05/30/2014 Date Made Active in Reports: 07/07/2014

Number of Days to Update: 38

Source: El Dorado County Environmental Management Department

Telephone: 530-621-6623 Last EDR Contact: 08/05/2014

Next Scheduled EDR Contact: 11/17/2014 Data Release Frequency: Varies

## FRESNO COUNTY:

## **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: 06/30/2014 Date Data Arrived at EDR: 07/15/2014 Date Made Active in Reports: 08/19/2014

Number of Days to Update: 35

Source: Dept. of Community Health Telephone: 559-445-3271 Last EDR Contact: 07/11/2014

Next Scheduled EDR Contact: 10/27/2014 Data Release Frequency: Semi-Annually

#### **HUMBOLDT COUNTY:**

**CUPA Facility List** 

CUPA facility list.

Date of Government Version: 09/10/2014 Date Data Arrived at EDR: 09/11/2014 Date Made Active in Reports: 09/25/2014

Number of Days to Update: 14

Source: Humboldt County Environmental Health

Telephone: N/A

Last EDR Contact: 08/20/2014

Next Scheduled EDR Contact: 12/08/2014

Data Release Frequency: Varies

IMPERIAL COUNTY:

**CUPA Facility List** 

Cupa facility list.

Date of Government Version: 07/28/2014 Date Data Arrived at EDR: 07/30/2014 Date Made Active in Reports: 09/15/2014

Number of Days to Update: 47

Source: San Diego Border Field Office

Telephone: 760-339-2777 Last EDR Contact: 07/25/2014

Next Scheduled EDR Contact: 11/10/2014

Data Release Frequency: Varies

INYO COUNTY:

**CUPA Facility List** 

Cupa facility list.

Date of Government Version: 09/10/2013 Date Data Arrived at EDR: 09/11/2013 Date Made Active in Reports: 10/14/2013

Number of Days to Update: 33

Source: Inyo County Environmental Health Services

Telephone: 760-878-0238 Last EDR Contact: 08/20/2014

Next Scheduled EDR Contact: 12/08/2014

Data Release Frequency: Varies

KERN COUNTY:

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

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

Number of Days to Update: 29

Source: Kern County Environment Health Services Department

Telephone: 661-862-8700 Last EDR Contact: 08/08/2014

Next Scheduled EDR Contact: 11/24/2014 Data Release Frequency: Quarterly

KINGS COUNTY:

**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: 05/28/2014 Date Data Arrived at EDR: 05/30/2014 Date Made Active in Reports: 06/20/2014

Number of Days to Update: 21

Source: Kings County Department of Public Health

Telephone: 559-584-1411 Last EDR Contact: 08/20/2014

Next Scheduled EDR Contact: 12/08/2014

Data Release Frequency: Varies

LAKE COUNTY:

**CUPA Facility List** 

Cupa facility list

Date of Government Version: 07/23/2014 Date Data Arrived at EDR: 07/25/2014 Date Made Active in Reports: 08/22/2014

Number of Days to Update: 28

Source: Lake County Environmental Health

Telephone: 707-263-1164 Last EDR Contact: 07/18/2014

Next Scheduled EDR Contact: 11/03/2014 Data Release Frequency: Varies

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern

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

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

Number of Days to Update: 206

Source: EPA Region 9 Telephone: 415-972-3178 Last EDR Contact: 09/22/2014

Next Scheduled EDR Contact: 01/05/2015 Data Release Frequency: No Update Planned

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 03/31/2014 Date Data Arrived at EDR: 06/06/2014 Date Made Active in Reports: 07/17/2014

Number of Days to Update: 41

Source: Department of Public Works

Telephone: 626-458-3517 Last EDR Contact: 07/21/2014

Next Scheduled EDR Contact: 10/27/2014 Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 07/21/2014 Date Data Arrived at EDR: 07/21/2014 Date Made Active in Reports: 08/19/2014

Number of Days to Update: 29

Source: La County Department of Public Works

Telephone: 818-458-5185 Last EDR Contact: 07/21/2014

Next Scheduled EDR Contact: 11/03/2014 Data Release Frequency: Varies

City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/05/2009 Date Data Arrived at EDR: 03/10/2009 Date Made Active in Reports: 04/08/2009

Number of Days to Update: 29

Source: Engineering & Construction Division

Telephone: 213-473-7869 Last EDR Contact: 08/14/2014

Next Scheduled EDR Contact: 11/03/2014 Data Release Frequency: Varies

Site Mitigation List

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

Date of Government Version: 01/07/2014 Date Data Arrived at EDR: 02/25/2014 Date Made Active in Reports: 03/25/2014

Number of Days to Update: 28

Source: Community Health Services Telephone: 323-890-7806 Last EDR Contact: 07/16/2014

Next Scheduled EDR Contact: 11/03/2014 Data Release Frequency: Annually

City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 07/23/2014 Date Data Arrived at EDR: 07/28/2014 Date Made Active in Reports: 08/20/2014

Number of Days to Update: 23

Source: City of El Segundo Fire Department

Telephone: 310-524-2236 Last EDR Contact: 07/18/2014

Next Scheduled EDR Contact: 11/03/2014 Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank

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

Date of Government Version: 07/28/2014 Date Data Arrived at EDR: 07/28/2014 Date Made Active in Reports: 08/20/2014

Number of Days to Update: 23

Source: City of Long Beach Fire Department

Telephone: 562-570-2563 Last EDR Contact: 07/25/2014

Next Scheduled EDR Contact: 11/10/2014 Data Release Frequency: Annually

City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 01/13/2014 Date Data Arrived at EDR: 03/27/2014 Date Made Active in Reports: 04/28/2014

Number of Days to Update: 32

Source: City of Torrance Fire Department

Telephone: 310-618-2973 Last EDR Contact: 07/25/2014

Next Scheduled EDR Contact: 10/27/2014 Data Release Frequency: Semi-Annually

#### MADERA COUNTY:

#### **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: 06/09/2014 Date Data Arrived at EDR: 06/11/2014 Date Made Active in Reports: 06/27/2014

Number of Days to Update: 16

Source: Madera County Environmental Health

Telephone: 559-675-7823 Last EDR Contact: 08/26/2014

Next Scheduled EDR Contact: 12/08/2014

Data Release Frequency: Varies

## MARIN COUNTY:

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 07/02/2014 Date Data Arrived at EDR: 07/07/2014 Date Made Active in Reports: 08/18/2014

Number of Days to Update: 42

Source: Public Works Department Waste Management

Telephone: 415-499-6647 Last EDR Contact: 07/02/2014

Next Scheduled EDR Contact: 10/20/2014 Data Release Frequency: Semi-Annually

## MERCED COUNTY:

CUPA Facility List CUPA facility list.

> Date of Government Version: 05/27/2014 Date Data Arrived at EDR: 05/29/2014 Date Made Active in Reports: 06/24/2014

Number of Days to Update: 26

Source: Merced County Environmental Health

Telephone: 209-381-1094 Last EDR Contact: 08/20/2014

Next Scheduled EDR Contact: 12/08/2014

Data Release Frequency: Varies

## MONO COUNTY:

**CUPA Facility List** 

**CUPA Facility List** 

Date of Government Version: 09/02/2014 Date Data Arrived at EDR: 09/05/2014 Date Made Active in Reports: 09/24/2014

Number of Days to Update: 19

Source: Mono County Health Department

Telephone: 760-932-5580 Last EDR Contact: 09/02/2014

Next Scheduled EDR Contact: 12/15/2014 Data Release Frequency: Varies

#### MONTEREY COUNTY:

**CUPA Facility Listing** 

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 06/09/2014 Date Data Arrived at EDR: 06/11/2014 Date Made Active in Reports: 07/09/2014

Number of Days to Update: 28

Source: Monterey County Health Department

Telephone: 831-796-1297 Last EDR Contact: 08/26/2014

Next Scheduled EDR Contact: 12/08/2014 Data Release Frequency: Varies

#### NAPA COUNTY:

Sites With Reported Contamination

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

Date of Government Version: 12/05/2011 Date Data Arrived at EDR: 12/06/2011 Date Made Active in Reports: 02/07/2012

Number of Days to Update: 63

Source: Napa County Department of Environmental Management

Telephone: 707-253-4269 Last EDR Contact: 08/28/2014

Next Scheduled EDR Contact: 12/15/2014 Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008 Date Data Arrived at EDR: 01/16/2008 Date Made Active in Reports: 02/08/2008

Number of Days to Update: 23

Source: Napa County Department of Environmental Management

Telephone: 707-253-4269 Last EDR Contact: 08/28/2014

Next Scheduled EDR Contact: 12/15/2014 Data Release Frequency: No Update Planned

## **NEVADA COUNTY:**

CUPA Facility List CUPA facility list.

> Date of Government Version: 09/16/2014 Date Data Arrived at EDR: 09/18/2014 Date Made Active in Reports: 09/25/2014

Number of Days to Update: 7

Source: Community Development Agency

Telephone: 530-265-1467 Last EDR Contact: 09/16/2014

Next Scheduled EDR Contact: 12/29/2014 Data Release Frequency: Varies

## ORANGE COUNTY:

List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 05/01/2014 Date Data Arrived at EDR: 05/15/2014 Date Made Active in Reports: 05/22/2014

Number of Days to Update: 7

Source: Health Care Agency Telephone: 714-834-3446 Last EDR Contact: 08/07/2014

Next Scheduled EDR Contact: 11/24/2014 Data Release Frequency: Annually

List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 08/01/2014 Date Data Arrived at EDR: 08/12/2014 Date Made Active in Reports: 09/26/2014

Number of Days to Update: 45

Source: Health Care Agency Telephone: 714-834-3446 Last EDR Contact: 08/07/2014

Next Scheduled EDR Contact: 11/24/2014 Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 08/01/2014 Date Data Arrived at EDR: 08/12/2014 Date Made Active in Reports: 08/20/2014

Number of Days to Update: 8

Source: Health Care Agency Telephone: 714-834-3446 Last EDR Contact: 08/07/2014

Next Scheduled EDR Contact: 11/24/2014 Data Release Frequency: Quarterly

#### PLACER COUNTY:

Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 06/09/2014 Date Data Arrived at EDR: 06/10/2014 Date Made Active in Reports: 07/09/2014

Number of Days to Update: 29

Source: Placer County Health and Human Services

Telephone: 530-745-2363 Last EDR Contact: 09/22/2014

Next Scheduled EDR Contact: 12/22/2014 Data Release Frequency: Semi-Annually

## RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 07/08/2014 Date Data Arrived at EDR: 07/11/2014 Date Made Active in Reports: 07/28/2014

Number of Days to Update: 17

Source: Department of Environmental Health

Telephone: 951-358-5055 Last EDR Contact: 09/22/2014

Next Scheduled EDR Contact: 01/05/2015 Data Release Frequency: Quarterly

Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 07/08/2014 Date Data Arrived at EDR: 07/11/2014 Date Made Active in Reports: 08/18/2014

Number of Days to Update: 38

Source: Department of Environmental Health

Telephone: 951-358-5055 Last EDR Contact: 09/22/2014

Next Scheduled EDR Contact: 01/05/2015 Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

#### Toxic Site Clean-Up List

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

Date of Government Version: 02/06/2014 Date Data Arrived at EDR: 04/08/2014 Date Made Active in Reports: 04/29/2014

Number of Days to Update: 21

Source: Sacramento County Environmental Management

Telephone: 916-875-8406 Last EDR Contact: 07/11/2014

Next Scheduled EDR Contact: 10/20/2014
Data Release Frequency: Quarterly

#### Master Hazardous Materials Facility List

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

Date of Government Version: 05/05/2014 Date Data Arrived at EDR: 07/17/2014 Date Made Active in Reports: 07/28/2014

Number of Days to Update: 11

Source: Sacramento County Environmental Management

Telephone: 916-875-8406 Last EDR Contact: 07/08/2014

Next Scheduled EDR Contact: 10/20/2014 Data Release Frequency: Quarterly

#### SAN BERNARDINO COUNTY:

#### Hazardous Material Permits

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

Date of Government Version: 05/30/2014 Date Data Arrived at EDR: 05/30/2014 Date Made Active in Reports: 07/07/2014

Number of Days to Update: 38

Source: San Bernardino County Fire Department Hazardous Materials Division

Telephone: 909-387-3041 Last EDR Contact: 08/07/2014

Next Scheduled EDR Contact: 11/24/2014 Data Release Frequency: Quarterly

## SAN DIEGO COUNTY:

## Hazardous Materials Management Division Database

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

Date of Government Version: 09/23/2013 Date Data Arrived at EDR: 09/24/2013 Date Made Active in Reports: 10/17/2013

Number of Days to Update: 23

Source: Hazardous Materials Management Division

Telephone: 619-338-2268 Last EDR Contact: 09/22/2014

Next Scheduled EDR Contact: 12/22/2014 Data Release Frequency: Quarterly

#### Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2013 Date Data Arrived at EDR: 11/19/2013 Date Made Active in Reports: 12/31/2013

Number of Days to Update: 42

Source: Department of Health Services

Telephone: 619-338-2209 Last EDR Contact: 07/22/2014

Next Scheduled EDR Contact: 11/10/2014

Data Release Frequency: Varies

#### **Environmental Case Listing**

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

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

Number of Days to Update: 24

Source: San Diego County Department of Environmental Health

Telephone: 619-338-2371 Last EDR Contact: 09/08/2014

Next Scheduled EDR Contact: 12/22/2014 Data Release Frequency: No Update Planned

#### SAN FRANCISCO COUNTY:

#### Local Oversite Facilities

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

Date of Government Version: 09/19/2008 Date Data Arrived at EDR: 09/19/2008 Date Made Active in Reports: 09/29/2008

Number of Days to Update: 10

Source: Department Of Public Health San Francisco County

Telephone: 415-252-3920 Last EDR Contact: 08/07/2014

Next Scheduled EDR Contact: 11/24/2014 Data Release Frequency: Quarterly

#### **Underground Storage Tank Information**

Underground storage tank sites located in San Francisco county.

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

Number of Days to Update: 5

Source: Department of Public Health

Telephone: 415-252-3920 Last EDR Contact: 08/07/2014

Next Scheduled EDR Contact: 11/27/2014
Data Release Frequency: Quarterly

#### SAN JOAQUIN COUNTY:

#### San Joaquin Co. UST

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

Date of Government Version: 06/20/2014 Date Data Arrived at EDR: 06/23/2014 Date Made Active in Reports: 07/11/2014

Number of Days to Update: 18

Source: Environmental Health Department

Telephone: N/A

Last EDR Contact: 09/22/2014

Next Scheduled EDR Contact: 01/05/2015 Data Release Frequency: Semi-Annually

#### SAN LUIS OBISPO COUNTY:

## **CUPA Facility List**

Cupa Facility List.

Date of Government Version: 06/11/2014 Date Data Arrived at EDR: 06/13/2014 Date Made Active in Reports: 07/09/2014

Number of Days to Update: 26

Source: San Luis Obispo County Public Health Department

Telephone: 805-781-5596 Last EDR Contact: 08/20/2014

Next Scheduled EDR Contact: 12/08/2014

Data Release Frequency: Varies

#### SAN MATEO COUNTY:

## **Business Inventory**

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

Date of Government Version: 04/03/2014 Date Data Arrived at EDR: 04/04/2014 Date Made Active in Reports: 05/01/2014

Number of Days to Update: 27

Source: San Mateo County Environmental Health Services Division

Telephone: 650-363-1921 Last EDR Contact: 09/15/2014

Next Scheduled EDR Contact: 12/29/2014 Data Release Frequency: Annually

## Fuel Leak List

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

Date of Government Version: 06/16/2014 Date Data Arrived at EDR: 06/19/2014 Date Made Active in Reports: 07/10/2014

Number of Days to Update: 21

Source: San Mateo County Environmental Health Services Division

Telephone: 650-363-1921 Last EDR Contact: 09/15/2014

Next Scheduled EDR Contact: 12/29/2014 Data Release Frequency: Semi-Annually

#### SANTA BARBARA COUNTY:

#### **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: 09/22/2014

Next Scheduled EDR Contact: 12/08/2014

Data Release Frequency: Varies

#### SANTA CLARA COUNTY:

#### Cupa Facility List

Cupa facility list

Date of Government Version: 06/02/2014 Date Data Arrived at EDR: 06/03/2014 Date Made Active in Reports: 06/23/2014

Number of Days to Update: 20

Source: Department of Environmental Health

Telephone: 408-918-1973 Last EDR Contact: 08/22/2014

Next Scheduled EDR Contact: 09/15/2014 Data Release Frequency: Varies

#### HIST LUST - Fuel Leak Site Activity Report

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

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

Number of Days to Update: 22

Source: Santa Clara Valley Water District

Telephone: 408-265-2600 Last EDR Contact: 03/23/2009

Next Scheduled EDR Contact: 06/22/2009 Data Release Frequency: No Update Planned

#### LOP Listing

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

Date of Government Version: 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: 09/02/2014

Next Scheduled EDR Contact: 12/15/2014 Data Release Frequency: Annually

## Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 05/12/2014 Date Data Arrived at EDR: 05/19/2014 Date Made Active in Reports: 05/28/2014

Number of Days to Update: 9

Source: City of San Jose Fire Department

Telephone: 408-535-7694 Last EDR Contact: 08/08/2014

Next Scheduled EDR Contact: 11/24/2014 Data Release Frequency: Annually

# SANTA CRUZ COUNTY:

**CUPA Facility List** 

CUPA facility listing.

Date of Government Version: 09/09/2014 Date Data Arrived at EDR: 09/11/2014 Date Made Active in Reports: 09/25/2014

Number of Days to Update: 14

Source: Santa Cruz County Environmental Health

Telephone: 831-464-2761 Last EDR Contact: 09/08/2014

Next Scheduled EDR Contact: 12/08/2014

Data Release Frequency: Varies

#### SHASTA COUNTY:

**CUPA Facility List** 

Cupa Facility List.

Date of Government Version: 06/10/2014 Date Data Arrived at EDR: 06/12/2014 Date Made Active in Reports: 06/20/2014

Number of Days to Update: 8

Source: Shasta County Department of Resource Management

Telephone: 530-225-5789 Last EDR Contact: 08/26/2014

Next Scheduled EDR Contact: 12/08/2014 Data Release Frequency: Varies

#### SOLANO COUNTY:

Leaking Underground Storage Tanks

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

Date of Government Version: 06/19/2014 Date Data Arrived at EDR: 06/26/2014 Date Made Active in Reports: 07/25/2014

Number of Days to Update: 29

Source: Solano County Department of Environmental Management

Telephone: 707-784-6770 Last EDR Contact: 09/15/2014

Next Scheduled EDR Contact: 12/29/2014 Data Release Frequency: Quarterly

#### **Underground Storage Tanks**

Underground storage tank sites located in Solano county.

Date of Government Version: 06/19/2014 Date Data Arrived at EDR: 06/26/2014 Date Made Active in Reports: 07/25/2014

Number of Days to Update: 29

Source: Solano County Department of Environmental Management

Telephone: 707-784-6770 Last EDR Contact: 09/15/2014

Next Scheduled EDR Contact: 12/29/2014 Data Release Frequency: Quarterly

## SONOMA COUNTY:

Cupa Facility List

Cupa Facility list

Date of Government Version: 12/31/2013 Date Data Arrived at EDR: 01/02/2014 Date Made Active in Reports: 02/11/2014

Number of Days to Update: 40

Source: County of Sonoma Fire & Emergency Services Department

Telephone: 707-565-1174 Last EDR Contact: 06/26/2014

Next Scheduled EDR Contact: 10/13/2014

Data Release Frequency: Varies

Leaking Underground Storage Tank Sites

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

Date of Government Version: 07/01/2014 Date Data Arrived at EDR: 07/03/2014 Date Made Active in Reports: 07/28/2014

Number of Days to Update: 25

Source: Department of Health Services

Telephone: 707-565-6565 Last EDR Contact: 06/26/2014

Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Quarterly

#### SUTTER COUNTY:

**Underground Storage Tanks** 

Underground storage tank sites located in Sutter county.

Date of Government Version: 06/09/2014 Date Data Arrived at EDR: 06/11/2014 Date Made Active in Reports: 07/17/2014

Number of Days to Update: 36

Source: Sutter County Department of Agriculture

Telephone: 530-822-7500 Last EDR Contact: 09/08/2014

Next Scheduled EDR Contact: 12/22/2014 Data Release Frequency: Semi-Annually

#### TUOLUMNE COUNTY:

CUPA Facility List Cupa facility list

> Date of Government Version: 05/16/2014 Date Data Arrived at EDR: 05/16/2014 Date Made Active in Reports: 06/13/2014

Number of Days to Update: 28

Source: Divison of Environmental Health

Telephone: 209-533-5633 Last EDR Contact: 08/08/2014

Next Scheduled EDR Contact: 11/10/2014 Data Release Frequency: Varies

#### **VENTURA COUNTY:**

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

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

Date of Government Version: 07/28/2014 Date Data Arrived at EDR: 08/18/2014 Date Made Active in Reports: 09/26/2014

Number of Days to Update: 39

Source: Ventura County Environmental Health Division

Telephone: 805-654-2813 Last EDR Contact: 08/14/2014

Next Scheduled EDR Contact: 12/01/2014
Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites

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

Date of Government Version: 12/01/2011 Date Data Arrived at EDR: 12/01/2011 Date Made Active in Reports: 01/19/2012

Number of Days to Update: 49

Source: Environmental Health Division

Telephone: 805-654-2813 Last EDR Contact: 07/01/2014

Next Scheduled EDR Contact: 10/13/2014 Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

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

Number of Days to Update: 37

Source: Environmental Health Division

Telephone: 805-654-2813 Last EDR Contact: 08/13/2014

Next Scheduled EDR Contact: 12/01/2014 Data Release Frequency: Quarterly

#### Medical Waste Program List

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

Date of Government Version: 06/26/2014 Date Data Arrived at EDR: 07/31/2014 Date Made Active in Reports: 09/15/2014

Number of Days to Update: 46

Source: Ventura County Resource Management Agency

Telephone: 805-654-2813 Last EDR Contact: 07/28/2014

Next Scheduled EDR Contact: 11/10/2014 Data Release Frequency: Quarterly

#### Underground Tank Closed Sites List

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

Date of Government Version: 05/27/2014 Date Data Arrived at EDR: 06/17/2014 Date Made Active in Reports: 07/11/2014

Number of Days to Update: 24

Source: Environmental Health Division

Telephone: 805-654-2813 Last EDR Contact: 09/17/2014

Next Scheduled EDR Contact: 12/29/2014 Data Release Frequency: Quarterly

#### YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 06/30/2014 Date Data Arrived at EDR: 07/07/2014 Date Made Active in Reports: 08/18/2014

Number of Days to Update: 42

Source: Yolo County Department of Health

Telephone: 530-666-8646 Last EDR Contact: 09/22/2014

Next Scheduled EDR Contact: 01/05/2015 Data Release Frequency: Annually

## YUBA COUNTY:

## **CUPA Facility List**

CUPA facility listing for Yuba County.

Date of Government Version: 05/19/2014 Date Data Arrived at EDR: 05/22/2014 Date Made Active in Reports: 06/19/2014

Number of Days to Update: 28

Source: Yuba County Environmental Health Department

Telephone: 530-749-7523 Last EDR Contact: 07/31/2014

Next Scheduled EDR Contact: 11/17/2014

Data Release Frequency: Varies

## 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: 07/30/2013 Date Data Arrived at EDR: 08/19/2013 Date Made Active in Reports: 10/03/2013

Number of Days to Update: 45

Source: Department of Energy & Environmental Protection

Telephone: 860-424-3375 Last EDR Contact: 08/19/2014

Next Scheduled EDR Contact: 12/01/2014
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011 Date Data Arrived at EDR: 07/19/2012 Date Made Active in Reports: 08/28/2012

Number of Days to Update: 40

Source: Department of Environmental Protection

Telephone: N/A

Last EDR Contact: 07/17/2014

Next Scheduled EDR Contact: 10/27/2014 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: 05/01/2014 Date Data Arrived at EDR: 05/07/2014 Date Made Active in Reports: 06/10/2014

Number of Days to Update: 34

Source: Department of Environmental Conservation

Telephone: 518-402-8651 Last EDR Contact: 08/07/2014

Next Scheduled EDR Contact: 11/17/2014 Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2013 Date Data Arrived at EDR: 07/21/2014 Date Made Active in Reports: 08/25/2014

Number of Days to Update: 35

Source: Department of Environmental Protection

Telephone: 717-783-8990 Last EDR Contact: 07/18/2014

Next Scheduled EDR Contact: 11/03/2014 Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2013 Date Data Arrived at EDR: 07/15/2014 Date Made Active in Reports: 08/13/2014

Number of Days to Update: 29

Source: Department of Environmental Management

Telephone: 401-222-2797 Last EDR Contact: 08/26/2014

Next Scheduled EDR Contact: 12/08/2014 Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2013 Date Data Arrived at EDR: 06/20/2014 Date Made Active in Reports: 08/07/2014

Number of Days to Update: 48

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 09/15/2014

Next Scheduled EDR Contact: 12/29/2014 Data Release Frequency: Annually

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

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

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

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

## STREET AND ADDRESS INFORMATION

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# APPENDIX E

Oyster Point Landfill South San Francisco



JUL 3 1 7406

#### CITY COUNCIL 2006-2007

JOSEPH A. FERNEKES, MAYOR RICHARD A. GARBARINO, VICE MAYOR MARK N. ADDIEGO, COUNCILMEMBER PEDRO GONZALEZ, COUNCILMEMBER KARYL MATSUMOTO, COUNCILMEMBER

BARRY M. NAGEL, CITY MANAGER

Office Of The Director of Public Works

July 17, 2006

James Ponton California Regional Water Quality Control Board San Francisco Bay Region 1515 Clay Street, Suite 1400 Oakland, CA 94612

RE: Oyster Point Landfill

Transmittal of the 2006 Semi-Annual Report

RWQCB Order 00-046

## Dear Mr. Ponton:

The enclosed report was prepared in conformance with provisions 3 and 4 of Order 00-046. The report documents the results of monitoring activities completed for the landfill in the first half of calendar year 2006. Under penalty of perjury, to the best of my knowledge, the data included in this report are true, complete, and correct.

Please note that, as stated in this report, the Maximum Allowable Concentrations Report submitted in July 2004, included a revised set of monitoring parameters and monitoring frequency. No comments to the proposed program were received from the RWQCB and the modified program was implemented in the last quarter of 2004.

Please do not hesitate to contact me with any questions that you may have. I can be reached at 650-877-8550 or terry.white@ssf.net.

Sincerely,

Terry White

Public Works-Director

cc Eileen Fanelli, Terra Engineers, Inc.

JUL 3 1 2006

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# A Report Prepared for:

City of South San Francisco Department of Public Works 400 Grand Avenue South San Francisco, California 94083

# **SEMI-ANNUAL REPORT 2006**

FORMER OYSTER POINT LANDFILL CITY OF SOUTH SAN FRANCISCO SOUTH SAN FRANCISCO, CALIFORNIA

**TERRA** engineers, inc. 55 New Montgomery Street, Suite 526 San Francisco, CA 94105 888-888-4730

with

PES Environmental, Inc. 1682 Novato Blvd. Novato, CA 94947

July 12, 2006

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## 1.0 INTRODUCTION

The Oyster Point Landfill is a closed, unlined Class III landfill located along the San Francisco Bay in the City of South San Francisco (City) (Figure 1). The City owns the landfill. The majority of the landfill is open space, but a portion of the landfill has been developed and includes a public marina, boat launch, a small yacht club, a boat sales building, and a small office and hotel complex (Figure 2). The San Mateo Harbor District (Harbor District) operates the public marina on the landfill and is responsible for general maintenance of the marina and public spaces.

The landfill is regulated by the Regional Water Quality Control Board (RWQCB) under order No. 00-046 issued on June 21, 2000 (Order). The Order imposes closure and post-closure requirements on the City as part of future development. This 2006 Semi-Annual Monitoring Report was prepared in compliance with Provisions 3 and 4 of the Order.

The primary purpose of this report is to document compliance with the requirements of the Order. It presents the results of water quality monitoring and site inspections completed over the previous reporting period: January through June 2006. Leachate and groundwater monitoring was conducted per the November 2000 Water Quality Monitoring Plan (WQMP) as amended in August 2001 (Addendum 1) and as amended by the July 2004 Maximum Allowable Concentrations Limits (MACL's) report. The WQMP and MACL's reports describe the water quality monitoring program for the landfill. Additional inspection and sampling requirements are also included in the following documents:

- September 2000 Storm Water Pollution Prevention Plan (SWPPP) and Storm Water Monitoring Plan (SWMP) as amended in August 2001 (Addendum 1)
- September 2000 Final Closure and Post-Closure Maintenance Plan (FCPMP)
- Emergency Response Contingency Plan (ERCP)

This report is organized as follows:

- Section 2 describes landfill monitoring, inspection, maintenance, and development activities since the last reporting period.
- Section 3 summarizes the water quality monitoring programs in place at the site.
- Section 4 presents the results of water quality monitoring to date.
- Section 5 summarizes the results of site inspections and describes proposed maintenance activities.
- Appendix A includes copies of the field sampling forms and laboratory analytical data sheets for the period January through July 2006.
- Appendix B presents historical analytical data, including parameters no longer included in the monitoring program.

## 2.0 LANDFILL ACTIVITIES SINCE LAST REPORTING PERIOD

This report summarizes activities completed at the landfill from January through July 2006.

# 2.1 Leachate and Groundwater Quality Monitoring

There are 18 monitoring wells included in the post-closure monitoring program. The monitoring program is described in detail in Section 3 and includes both groundwater and leachate elevation monitoring and water quality sampling.

Groundwater and leachate elevations were monitored quarterly. Elevations were measured on March 11 and June 11, 2006.

Groundwater and leachate samples were collected from select wells on June 28, 2006. The samples were analyzed by Curtis and Tompkins in Emeryville, California. Field sampling forms and laboratory analytical data sheets for the June event is included in Appendix A. The analytical program was as specified in the November 2000 WQMP as amended in August 2001, and amended by the MACL's report. This program varies from the prescriptive list of analytes included in the Order.

# 2.2 Landfill Gas Perimeter Monitoring

Seven landfill gas monitoring wells were installed along Oyster Point Boulevard in March and October, 2003. Six of the seven landfill gas monitoring wells are considered part of the perimeter system: LFG-1, LFG-2, LFG-4, LFG-5, LFG-6, and LFG-7. LFG-3 is monitored and the results reported; however, it does not represent a compliance point for landfill gas measurements. Landfill gas was measured in the seven wells on February 17 and May 26, 2005.

The San Mateo County Health Services Agency (SMCHSA) issued two Closed Disposal Site Inspection Reports to the City, one in April and one in May 2006. A meeting with SMCHSA and the California Integrated Waste Management Board (CIWMB) was held on June 14, 2006 to discuss the findings outlined in the inspection reports. Following the discussion, the City agreed to prepare a work plan outlining the steps to assess and mitigate landfill gas at the property boundary in the vicinity of LFG-3 and Gull Drive in compliance with regulations.

# 2.3 Site Inspections and Storm Water Sampling Completed

Landfill inspections, per the Storm Water Pollution Prevention Plan, were conducted throughout the year. The results from the first half of the year are included in the Storm Water 2005-2006 Annual Report submitted in June 2006 to the RWQCB. These data are not repeated herein.

## 2.4 Landfill Maintenance

The Harbor District continues to work on several maintenance activities. These include:

• Paving the East Basin Parking Area, the completion of which has been delayed due to funding considerations. These improvements include new lighting and pavement.

The Harbor District is working with the Bay Area Water Transit Authority (WTA) to incorporate the paving of the East Basin Parking Area with planned Ferry Terminal development. The timing for this work is uncertain.

- Repairs to the foundation of the public fishing pier. These repairs will correct damage to the pier foundation caused by differential settlement around the existing pile support. The construction is underway.
- Repaving the boat trailer parking area and boat launch ramp. The Harbor District has
  secured a grant to help fund repairs to the existing boat launch ramp and trailer
  parking area. This work may be combined with the East Basin improvements,
  although a schedule for these improvements has not been finalized.

In 2006, the only major maintenance work completed was repair to the fishing pier.

# 2.5 Reports/Documents Submitted

The following reports were submitted in the first half of 2006:

- 2005 Annual Report, Oyster Point Landfill, dated January 2006
- 2005-2006 Annual Storm Water Report, dated June 2006
- Quarterly Landfill Gas Monitoring Reports, dated June 2006

# 2.6 Landfill Development

The City has completed the environmental documentation necessary to include the landfill within the City's identified redevelopment zone. By including the landfill in the redevelopment zone, the City hopes to make additional funding sources available to facilitate future development activities.

As described in the 2005 Annual Report, the Oyster Point Landfill is identified by the WTA as a primary site for establishment of a public ferry terminal. The WTA is conducting preliminary design and has begun required environmental studies. The WTA project is currently envisioned as consisting of three separate projects: (1) dredging of the East Basin Marina Area to accommodate ferry boat service and demolition of two of the existing piers; (2) construction of a new ferry terminal pier; and (3) landside improvements to the East Basin Parking Area to improve the pavement and lighting. The first two efforts will occur waterside. The latter, improvements to the East Basin Parking Area, will occur on the landfill.

Waterside development of a ferry terminal dock has been delayed but is anticipated in the next several years. Landside improvements, primarily paving and lighting, would potentially be combined with the maintenance activities planned for the East Basin Parking Area. These landside improvements are anticipated to be completed prior to the ferry service becoming operational.

# 2.7 Activities Planned During Next Reporting Period

Planned activities next reporting period include continued collection of quarterly water levels, quarterly landfill gas perimeter monitoring data, and semi-annual water quality samples. In addition, the City will investigate landfill gas at the perimeter of the property in compliance with SMCHSA direction and State regulations.

The Harbor District also continues to plan the redesign of improvements to the East Basin Parking Area in conjunction with the WTA. That work may also include paving improvements to the boat launch and boat trailer parking area. The Harbor District understands the requirement to submit a design development report to the RWQCB and SMCHSA as part of the permitting process prior to associated maintenance construction activity.

# 3.0 OVERVIEW OF WATER QUALITY MONITORING PROGRAMS

# 3.1 Detection Monitoring Program

The purpose of the detection monitoring program is to detect "measurably significant" leachate migration from the waste-bearing unit into surrounding media, including underlying soil and groundwater and nearby surface water. Components of the detection monitoring program include:

- Detection monitoring network
- Points of compliance
- Contaminants of concern and monitoring parameters
- Procedures for data evaluation

The detection monitoring network consists of monitoring points, which include monitoring wells and surface water sampling locations. Points of compliance are monitoring locations where leachate migration from the unit would likely be discovered, and to which numerical concentration limits (MACLs) are applied. There are a total of 18 monitoring wells currently installed at the landfill, as shown in Figure 3. Table 1 summarizes the construction details of the wells and identifies the lithologic units the wells monitor.

The MACLs Report dated June 2004 evaluated the water quality data collected since monitoring began in 2000 and recommended modifications to the detection monitoring program. Those modifications include a revised set of monitoring parameters and monitoring frequency. The revised detection monitoring program is summarized in Table 2. The MACLs report was submitted to the RWQCB in July 2004. No comments to the proposed program were received. The program was implemented in the last quarter of 2004.

The program includes: quarterly water elevation monitoring for all wells installed at the landfill; annual sampling of water quality in leachate wells; and semi-annual water quality monitoring of perimeter monitoring wells. Water elevation data for wells installed at the site are included in Table 3. Water quality data are summarized in Table 4. Historical data, including analytical parameters no longer included in the monitoring program, are included in Appendix B.

# 3.2 Storm Water Monitoring Program

The SWPPP establishes a monitoring program to eliminate unauthorized non-storm water discharges and reduce runoff carrying pollutants to the bay. The SWMP has included chemical analysis of storm water samples for parameters established in the general permit for industrial discharges, in addition to select metals associated with maritime uses, and volatile organic (VOC) and semi-volatile organic (SVOC) compounds. The 2003 – 2004 Annual Storm Water Report recommended modifications to the SWMP to eliminate SVOCs and VOCs from the analytical suite since these compounds had not been detected in storm water from the last two sampling events. The revised SWMP was implemented in during the 2004 – 2005 monitoring year, and will continue to be used for the 2006 – 2007 monitoring year.

# 3.3 Post-Closure Maintenance and Emergency Response Monitoring Program

The FCPMP stipulates semi-annual inspection of the landfill cover and inspection following a seismic or large storm event. Routine inspections of the landfill cover for evidence of erosion are completed as part of SWPPP compliance. Emergency inspections are completed on an asneeded basis

Post-closure inspections are conducted to assess the following:

- Differential settlement
- Erosion of the landfill cover
- Presence of burrowing animals
- Drainage ditches and underground storm drains
- Vegetative health
- Structural integrity

The results of post-closure and emergency inspections are reported as part of the annual Storm Water Reports.

# 4.0 WATER QUALITY AND LANDFILL GAS PERIMETER MONITORING RESULTS

## 4.1 Detection Monitoring Program

Leachate and groundwater elevations have been collected since July 2000. Measured elevations are summarized in Table 3. June 11, 2006 water level elevations are contoured on Figure 4. Hydrographs for each well are presented in Figures 5a to 5r. Leachate and groundwater were sampled on June 28, 2006. Curtis and Tompkins completed the chemical analyses.

The laboratory analytical results are summarized in Table 4. Laboratory analytical data sheets and chain-of-custody records for the June sampling event are included in Appendix A. The results are similar to that detected in previous sampling events. All results are below MACL criteria outlined below. Points of compliance include Wells: GW-2b, GW-4a, GW-5a, GW-6a, GW7a, GW11-a, GW-14a, GW15a, and GW16a.

Parameters	MACL_	Source
Benzene	71 ug/l	USEPA California Toxics Rule
		Criteria (May 2000), Order 99-045
Ethylbenzene	86 ug/l	Order 99-045
Chlorobenzene	129 ug/l	USEPA Recommended Ambient
		Water Quality Criteria
Napthtalene	470 ug/1	Order 99-045
Total Xylenes	2,200 ug/1	Order 99-045

Review of the laboratory reports indicates that all groundwater and leachate samples were analyzed within respective hold times and that laboratory quality assurance/quality control analyses (surrogate recoveries, matrix spike recoveries, and spike duplicates) were within acceptable ranges.

# 4.2 Storm Water Monitoring Program

Storm water samples collected during this reporting period are summarized in the 2005-2006 Annual Storm Water Report, dated June 2006.

## 4.3 Landfill Gas Perimeter Monitoring Program

The results of monitoring conducted to date are included in Table 5. The next quarterly monitoring is scheduled for August 2006.

## 4.4 Proposed Modifications to the Monitoring Programs

There are no proposed modifications to the water quality monitoring program.

# 5.0 LANDFILL MAINTENANCE

# 5.1 Storm Water Pollution Prevention Inspections

Site inspections per the requirements of the SWPPP were conducted as required from January through June.

## 5.2 Post-Closure Maintenance Plan and Emergency Response Monitoring Program

Semi-annual inspections required as part of the FCPMP are conducted concurrent with inspections performed as part of the SWPPP. There were no inspections conducted as part of the ERCP this reporting period.

## 6.0 REFERENCES

California Code of Regulations, Title 27, Sections 20918 through 21090.

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Gabewell with PES Environmental, Inc., 2004. Maximum Allowable Concentration Limits, Oyster Point Landfill, South San Francisco, California. July.

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Terra Engineering with PES Environmental, Inc., 2006. 2005 Annual Report, Former Oyster Point Landfill, South San Francisco, California, January.

Terra Engineering with PES Environmental, Inc., 2006. 2005-2006 Annual Storm Water Report, Former Oyster Point Landfill, South San Francisco, California, June.

RWQCB, 2000. Order No. 00-046. June 21.

RWOCB, 1999. Order 99-045.

Table 1
Monitoring Well Construction Summary
2006 Semi-Annual Monitoring Report
Oyster Point Landfill
South San Francisco, California

Well Designation	Screened Lithology	Borehole Depth (feet bgs)	Bottom Seal Interval (feet bgs)	Screened Interval (feet bgs)	Sandpack Interval (feet bgs)	Sanitary Seal Interval (feet bgs)
GW-1a	waste	25	na	15 - 25	14 - 25	13 - 14
GW-2b	alluvium	140	131 - 140	116 - 131	114.5 - 131	112 - 114.5
GW-3a	waste	40	25 - 40	15 - 25	14 - 25	13 - 14
GW-4a	reworked clayey silt	16	па	6 - 16	5 - 16	4 - 5
GW-5a	reworked clayey silt	34.5	20 - 34.5	10 - 20	9 - 20	8 - 9
GW-6a	waste/reworked clayey silt	25	na	15 - 25	14 - 25	13 - 14
GW-7a	gravel fill	16	13.5 - 16	5.5 - 13.5	4.5 - 13.5	3.5 - 4.5
GW-8c	bedrock	50	45 - 50	35 - 45	32 - 45	30 - 32
GW-9a	gravelly clay	26	na	21 - 26	20 - 26	19 - 20
GW-10a	waste	39.5	37 - 39.5	22 - 37	20 - 37	18 - 20
GW-11a	waste/reworked clayey silt	15	па	5 - 15	4 - 15	3 - 4
GW-12a	waste	35.5	34 - 35.5	23 - 33	21 - 34	19 - 21
GW-13a	waste	30	26 - 30	15 - 25	14 - 26	12 - 14
GW-14a	waste	15	12 - 15	4 - 12	3.5 - 12	2 - 3.5
GW-15a	waste/reworked clayey silt/clayey gravel	20	18 - 20	7 - 17	6.5 - 18	4 - 6.5
GW-16a	silty sand	19.5	10.5 - 19.5	5 - 10	4.5 - 10.5	2.5 - 4.5
GW-17a	waste	31.5	26 - 31.5	10 - 25	8 - 26	6 - 8
MW-5*	waste/reworked clayey silt	20	na	16 - 20	15 - 20	nr

#### Notes:

feet bgs = feet below ground surface
na = not applicable (base of well is bottom of borehole)
Both bottom seal and sanitary seal composed of bentonite
\* well MW-5 installed by Applied Consultants in 1989
nr = not reported in well log

2006 Semi-Annual Monitoring Report Oyster Point Landfill Terra Engineers, Inc. with PES Environmental, Inc.

# Table 2 Summary of Detection Monitoring Program 2006 Semi-Annual Monitoring Report Oyster Point Landfill

# South San Francisco, California

Well Designation	Unit Monitored	Monitoring Frequency	Parameters
GW-1a	Waste	Annual	Benzene, Ethylbenzene, Chlorobenzene, Naphthalene, Total Xylenes
GW-3a	Waste	Annual	Benzene, Ethylbenzene, Chlorobenzene, Naphthalene, Total Xylenes
GW-10a	Waste	Annual	Benzene, Ethylbenzene, Chlorobenzene, Naphthalene, Total Xylenes
GW-12a	Waste	Annual	Benzene, Ethylbenzene, Chlorobenzene, Naphthalene, Total Xylenes
GW-13a	Waste	Annual	Benzene, Ethylbenzene, Chlorobenzene, Naphthalene, Total Xylenes
GW-2b	Underlying sand	Semi-annual	Benzene, Ethylbenzene, Chlorobenzene, Naphthalene, Total Xylenes
GW-4a	Perimeter berm	Semi-annual	Benzene, Ethylbenzene, Chlorobenzene, Naphthalene, Total Xylenes
GW-5a	Perimeter berm	Semi-annual	Benzene, Ethylbenzene, Chlorobenzene, Naphthalene, Total Xylenes
GW-6a	Perimeter berm and waste	Semi-annual	Benzene, Ethylbenzene, Chlorobenzene, Naphthalene, Total Xylenes
GW-7a	Adjacent earth fill	Semi-annual	Benzene, Ethylbenzene, Chlorobenzene, Naphthalene, Total Xylenes
GW-11a	Perimeter berm and waste	Semi-annual	Benzene, Ethylbenzene, Chlorobenzene, Naphthalene, Total Xylenes
GW-14a	Perimeter berm and waste	Semi-annual	Benzene, Ethylbenzene, Chlorobenzene, Naphthalene, Total Xylenes
GW-15a	Perimeter berm and waste	Semi-annual	Benzene, Ethylbenzene, Chlorobenzene, Naphthalene, Total Xylenes
GW-16a	Perimeter berm and waste	Semi-annual	Benzene, Ethylbenzene, Chlorobenzene, Naphthalene, Total Xylenes

Note: Water levels will be measured quarterly in these wells

Table 3 Groundwater and Leachate Elevations 2006 Semi-Annual Monitoring Report Oyster Point Landfill South San Francisco, California

Well	Date	Screened	Origianl TOC	Depth to	Original GW	TOC Elevation	Adjusted TOC	New GW
Designation	Measured	Lithology	Elevation	Groundwater	Elevation	on 2/21/2003	Elevations (ft. MLLW)	Elevation
	-	· · · · · · · · · · · · · · · · · · ·	(ft. MLLW)	(feet)	(ft. MLLW)	(ft. MLLW)	(H. WILLW)	(ft. MLLW)
GW-la	8/19/1999	waste	18.19	10.21	7.98	17.75	18.19	7.98
Į.	12/7/1999		18.19	13.84	4.35	)	18.15	4.31
	2/7/2000		18.19	12.00	6.19		18.13	6.13
	7/18/2000		18.19	10.32	7.87		18.08	7.76
ì	9/18/2000		18.19	11.80	6.39	i	18.06	6.26
J	10/27/2000		18.19	13.84	4.35		18.04	4.20
ŀ	11/28/2000		18.19	11.72	6.47	1	18.03	6.31 6.03
1	12/27/2000 1/30/2001		18.19 18.19	11.99 12.11	6.20 6.08		18.02 18.01	5.90
	2/28/2001		18.19	11.73	6.46		18.00	6.27
1	3/28/2001		18.19	11.67	6.52		17.99	6.32
)	5/4/2001		18.19	11.72	6.47	l l	17.98	6.26
	5/31/2001		18.19	11.81	6.38	)	17.97	6.16
1	6/11/2001		18.19	11.81	6.38		17.97	6.16
i	7/31/2001		18.19	11.84	6.35		17.95	6.11
	8/30/2001		18.19	11.81	6.38		17.94	6.13
	9/24/2001		18.19	8.84	9.35	1	17.93	9.09
1	10/30/2001		18.19	18.11	6.38		17.92	6.11
	11/28/2001		18.19	11.75	6.44		17.91	6.16
l	12/26/2001		18.19	11.84	6.35	]	17.90	6.06
J	1/7/2002		18.19	11.72	6.47	1	17.90	6.18
J	2/15/2002		18.19	11.51	6.68	[	17.88	6.37
ſ	3/18/2002		18.19	11.70	6.49	l [	17.87	6.17
	4/30/2002		18.19	11.58	6.61		17.86	6.28
J	5/30/2002		18.19	11.51	6.68		17.85	6.34
J	6/19/2002		18.19	11.57	6.62	' <u> </u>	17.84	6.27
	7/14/2002		18.19	11.60	6.59		17.83	6.23
	8/10/2002		18.19	11.60	6.59	)	17.82	6.22
ì	9/21/2002		18.19	11.69	6.50		17.81	6.12
ł	10/26/2002		18.19	11.62	6.57		17.80	6.18
ľ	11/16/2002 12/13/2002		18.19	11.73	6.46	·	17.79 17.78	6.06 6.05
	1/11/2003		18.19 18.19	11.73 11.50	6.46 6.69		17.77	6.27
	2/8/2003		18.19	11.43	6.76		17.76	6.33
1	3/13/2003		18.19	11.59	6.60		17.75	6.16
	4/19/2003		18.19	11.49	6.70		17.75	6.26
	5/23/2003		18.19	11.33	6.86		17.75	6.42
	6/24/2003		18.19	7.25	10.94		17.75	10.50
	7/18/2003		18.19	11.45	6.74		17.75	6.30
	8/2/2003		18.19	11.50	6.69		17.75	6.25
1	9/22/2003		18.19	11.46	6.73		17.75	6.29
	10/11/2003		18.19	11.52	6.67		17.75	6.23
	11/22/2003		18.19	11.47	6.72		17.75	6.28
	12/7/2003		18.19	11.44	6.75		17.75	6.31
	1/11/2004		18.19	11.20	6.99		17.75	6.55
J	2/8/2004		18.19	11.38	6.81		17.75	6.37
	3/6/2004		18.19	11.57	6.62		17.75	6.18
	4/10/2004		18.19	11.24	6.95		17.75	6.51
	5/1/2004		18.19	11.43	6.76		17.75	6.32
J	6/6/2004		18.19	11.32	6.87		17.75	6.43
	7/10/2004		18.19	11.38	6.81		17.75	6.37
- 1	8/1/2004		18.19	11.33	6.86		17.75	6.42
- 1	12/5/2004		18.19	11.07	7.12		17.75	6.68
1	3/5/2005		18.19	11.09	7.10		17.75	6.66
	6/17/2005 9/17/2005		18.19	10.88	7.31		17.75	6.87
			18.19 18.19	11.01	7.11 7.18		17.75 17.75	6.67 6.74
	12/24/2005 3/11/2006		18.19	10.55	7.18 7.64		17.75	6.74 7.20
	6/11/2006		18.19	10.49	7.70		17.75	7.26
	0/11/2000		] 10.17	10.77	,.,0		17.75	7.20
GW-2b	8/19/1999	alluvium	17.66	12.24	5.42	17.31	17.66	5.42
., 20	12/7/1999	4114-10111	17.66	12.06	5.60		17.63	5.57
	2/7/2000		17.66	11.13	6.53		17.61	6.48
1	7/18/2000		17.66	11.84	5.82		17.57	5.73
	9/18/2000		17.66	11.64	6.02		17.55	5.91
	10/27/2000		17.66	13.91	3.75		17.54	3.63
	11/28/2000		17.66	9.93	7.73		17.53	7.60
	12/27/2000		17.66	10.10	7.56		17.53	7.43
	1/30/2001		17.66	13.03	4.63	İ	17.52	4.49
}	2/28/2001		17.66	12.65	5.01		17.51	4.86
	3/28/2001		17.66	13.98	3.68		17.50	3.52
	5/4/2001		17.66	10.56	7.10		17.49	6.93
	5/31/2001		17.66	13.62	4.04		17.49	3.87
	6/11/2001		17.66	13.52	4.14		17.48	3.96
	7/31/2001		17.66	10.91	6.75		17.47	6.56
	8/30/2001		17.66	10.49	7.17		17.46	6.97
	9/24/2001		17.66	11.03	6.63	[	17.45	6.42

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Table 3 Groundwater and Leachate Elevations 2006 Semi-Annual Monitoring Report Oyster Point Landfill South San Francisco, California

Well	Date	Screened	Origianl TOC	Depth to	Original GW	TOC Elevation	Adjusted TOC	New GW
Designation	Measured	Lithology	Elevation	Groundwater	Elevation	on 2/21/2003	Elevations	Elevation
			(ft. MLLW)	(feet)	(ft MLLW)	(ft. MLLW)	(ft. MLLW)	(ft. MLLW)
GW-3a	4/19/2003		20.18	13.21	6.97		19.65	6.44
(Continued)	5/23/2003 6/24/2003		20.18 20.18	13.11 13.33	7.07 6.85		19.65 19.65	6.54 6.32
	7/18/2003		20.18	13.21	6.97	'	19.65	6.44
	8/2/2003		20.18	13.22	6.96		19.65	6.43
J	9/22/2003		20.18	13.20	6.98		19.65	6.45
	10/11/2003		20.18	13.24	6.94		19.65	6.41
	11/22/2003		20.18	13.18	7.00		19.65	6.47
	12/7/2003 1/11/2004		20.18 20.18	13.12 12.88	7.06 7. <b>3</b> 0		19.65 19.65	6.53 6.77
ł	2/8/2004		20.18	13.05	7.13		19.65	6.60
	3/6/2004		20.18	13.24	6.94		19.65	6.41
	4/10/2004		20.18	12.97	7.21		19.65	6.68
ľ	5/1/2004		20.18	13.11	7.07		19.65	6.54
	6/6/2004 7/10/2004		20.18 20.18	12.94 13.10	7.24 7.08		19.65 19.65	6.71 6.55
ì	8/1/2004		20.18	13.03	7.15		19.65	6.62
	12/5/2004		20.18	12.88	7.30		19.65	6.77
	3/5/2005		20.18	12.68	7.50		19.65	6.97
	6/17/2005		20.18	12.56	7.62	[	19.65	7.09
1	9/17/2005		20.18	12.72	7.46	)	19.65	6.93
	12/24/2005 3/11/2006		20.18 20.18	12.64 12.27	7.54 7.91		19.65 19.65	7.01 7.38
}	6/11/2006		20.18	12.27	7.91		19.65	7.45
				13.23				
GW-4a	8/19/1999	reworked clayey silt	8.91	3.44	5.47	8.71	8.91	5.47
	12/7/1999		8.91	3.99	4.92		8.89	4.90
	2/7/2000 7/18/2000		8.91 8.91	2.81 3.28	6.10 5.63		8.88 8.86	6.07 5.58
	9/18/2000		8.91	4.07	4.84		8.85	4.78
	10/27/2000		8.91	2.94	5.97		8.84	5.90
ļ	11/28/2000		8.91	2.85	6.06		8.84	5.99
	12/27/2000		8.91	3.34	5.57		8.83	5.49
	1/30/2001		8.91	3.54	5.37		8.83	5.29
	2/28/2001 3/28/2001		19.8 19.8	3.25 4.33	5.66 4.58		8.82 8.82	5.57 4.49
- 1	5/4/2001		8.91	3.63	5.28		8.81	5.18
	5/31/2001		8.91	3.86	5.05		8.81	4.95
	6/11/2001		8.91	4.06	4.85		8.81	4.75
	7/31/2001		8.91	3.26	5.65		8.80	5.54
	8/30/2001 9/24/2001		8.91 8.91	3.38 3.47	5.53 5.44		8.80 8.79	5.42
1	10/30/2001		8.91	3.26	5.65		8.79	5.32 5.53
1	11/28/2001		8.91	2.86	6.05		8.78	5.92
	12/26/2001		8.91	2.43	6.48	(	8.78	6.35
	1/7/2002		8.91	3.16	5.75		8.78	5.62
	2/15/2002		8.91	3.01	5.90		8.77	5.76
	3/18/2002 4/30/2002		8.91 8.91	3.23 2.92	5.68 5.99		8.77 8.76	5.54 5.84
	5/30/2002		8.91	3.18	5.73		8.75	5.57
	6/19/2002		8.91	3.49	5.42		8.75	5.26
ľ	7/14/2002		8.91	3.27	5.64	}	8.75	5.48
	8/1/2002		8.91 8.91	3.22 3.57	5.69		8.74	5.52
ĺ	9/21/2002 10/26/2002		8.91	3.36	5.34 5.55		8.74 8.73	5.17 5.37
	11/16/2002		8.91	5.80	3.11		8.73	2.93
	12/13/2002		8.91	2.61	6.30		8.72	6.11
	1/11/2003		8.91	2.67	6.24		8.72	6.05
	2/8/2003		8.91	3.63	5.28	J	8.72	5.09
	3/13/2003 4/19/2003		8.91 8.91	3.48 3.26	5.43 5.65		8.71 8.71	5.23 5.45
	5/23/2003		8.91	3.38	5.53		8.71	5.33
	6/24/2003		8.91	3.76	5.15	]	8.71	4.95
	7/18/2003		8.91	3.50	5.41		8.71	5.21
	8/2/2003		8.91	3.52	5.39		8.71	5.19
	9/22/2003		8.91	2.95	5.96		8.71	5.76
	10/11/2003 11/22/2003		8.91 8.91	3.60 2.86	5.31 6.05	1	8.71 8.71	5.11 5.85
	12/7/2003		8.91	2.28	6.63		8.71	6.43
	1/11/2004		8.91	2.73	6.18		8.71	5.98
	2/8/2004		8.91	3.25	5.66		8.71	5.46
	3/6/2004		8.91	3.09	5.82		8.71	5.62
				3.42	5.49		8.71	5.29
	4/10/2004		8.91					
	4/10/2004 5/1/2004 6/6/2004		8.91 8.91 8.91	3.68 3.05	5.23		8.71 8.71	5.03 5.66

Table 3 Groundwater and Leachate Elevations 2006 Semi-Annual Monitoring Report Oyster Point Landfill South San Francisco, California

Well	Date	Screened	Origianl TOC	Depth to	Original GW	TOC Elevation	Adjusted TOC	New GW
Designation	Measured	Lithology	Elevation (ft. MLLW)	Groundwater (feet)	Elevation (ft. MLLW)	on 2/21/2003 (ft. MLLW)	Elevations (ft. MLLW)	Elevation (ft. MLLW)
GW-6a	3/28/2001		13.27	7.81	5.46	(16. [41131344]	13.12	5.31
Continued)	5/4/2001		13.27	7.87	5.40		13.11	5.24
´	5/31/2001		13.27	7.81	5.46	ļ ,	13.10	5.29
\ \	6/11/2001		13.27	11.84	1.43		13.10	1.26
	7/31/2001		13.27	7.87	5.40		13.08	5.21
	8/30/2001		13.27	8.89	4.38		13.08	4.19
	9/24/2001		13.27	7.95	5.32		13.07 13.06	5.12 5.18
	10/30/2001		13.27 13.27	7.88 7.90	5.39 5.37		13.05	5.15
	11/28/2001 12/26/2001		13.27	7.75	5,52		13.05	5.30
	1/7/2002		13.27	7.78	5.49		13.04	5.26
	2/15/2002		13.27	7.54	5.73		13.03	5.49
	3/18/2002		13.27	7.90	5.37		13.02	5.12
	4/30/2002		13.27	7.58	5.69		13.01	5.43
	5/30/2002		13.27	7.62	5.65		13.00	5.38
l	6/19/2002		13.27	7.74	5.53		13.00	5.26
	7/14/2002		13.27	7.62	5.65		12.99	5.37
	8/10/2002		13.27	7.65	5.62		12.99	5.34
	9/21/2002		13.27	7.72	5.55		12.98	5.26 5.28
	10/26/2002		13.27	7.69	5.58		12.97 12.96	5.28 5.27
	11/16/2002		13.27 13.27	7.69 7.68	5.58 5.59	1	12.95	5.27
	12/13/2002 1/11/2003		13.27	7.33	5.94		12.95	5.62
	2/8/2003		13.27	7.45	5.82		12.94	5.49
	3/13/2003		13.27	7.32	5.95		12.93	5.61
Ì	4/19/2003		13.27	7.61	5.66	ł	12.93	5.32
	5/23/2003		13.27	7.46	5.81		12.93	5.47
	6/24/2003		13.27	7.64	5.63		12.93	5.29
	7/18/2003		13.27	7.51	5.76		12.93	5.42
	8/2/2003		13.27	7.54	5.73	1	12.93	5.39
	9/22/2003		13.27	7.46	5.81	ł	12.93	5.47
	10/11/2003		13.27	7.60	5.67		12.93	5.33
	11/22/2003		13.27	7.67	5.60		12.93	5.26
	12/7/2003		13.27	7.46	5.81		12.93	5.47
	1/11/2004		13.27	7.19	6.08		12.93 12.93	5.74 5.53
	2/8/2004		13.27 13.27	7.40 7.36	5.87 5.91		12.93	5.57
J	3/6/2004		13.27	7.36	5.98		12.93	5.64
	4/10/2004 5/1/2004		13.27	7.51	5.76		12.93	5.42
	6/6/2004		13.27	7.35	5.92		12.93	5.58
	7/10/2004		13.27	7.43	5.84		12.93	5.50
	8/1/2004		13.27	7.42	5.85		12.93	5.51
	12/5/2004		13.27	7.35	5.92		12.93	5.58
	3/5/2005		13.27	6.87	6.40		12.93	6.06
	6/17/2005		13.27	6.96	6.31		12.93	5.97
	9/17/2005		13.27	7.09	6.18		12.93	5.84
	12/24/2005		13.27	7.03	6.24		12.93	5.90
	3/11/2006		13.27	6.60	6.67	ľ	12.93	6.33
	6/11/2006		13.27	6.60	6.67		12.93	6.33
GW-7a	8/19/1999	gravel fill	10.45	5.64	4.81	10.42	10.45	4.81
	12/7/1999	_	10.45	4.95	5.50		10.45	5.50
	2/7/2000		10.45	4.71	5.74		10.45	5.74
	7/18/2000		10.45	4.68	5.77		10.44	5.76
	9/18/2000		10.45	4.81	5.64		10.44	5.63
	10/27/2000		10.45	4.52	5.93		10.44 10.44	5.92 5.93
	11/28/2000 12/27/2000		10.45 10.45	4.51 5.02	5.94 5.43		10.44	5.42
	1/30/2001		10.45	5.54	4.91		10.44	4.90
	2/28/2001		10.45	4.70	5.75		10.44	5.74
1	3/28/2001		10.45	4.83	5.62		10.44	5.61
	5/4/2001		10.45	4.71	5.74		10.44	5.73
	5/31/2001		10.45	4.66	5.79		10.44	5.78
	6/11/2001		10.45	4.74	5.71		10.43	5.69
	7/31/2001		10.45	4.61	5.84		10.43	5.82
	8/30/2001		10.45	4.56	5.89		10.43	5.87
	9/24/2001		10.45	4.69	5.76		10.43	5.74
	10/30/2001		10.45	4.69	5.76		10.43	5.74
	11/28/2001		10.45	4.52	5.93		10.43	5.91
	12/26/2001		10.45	4.51	5.94		10.43	5.92
	1/7/2002		10.45	4.51	5.94		10.43	5.92
ľ	2/15/2002		10.45	4.50	5.95		10.43	5.93
	3/18/2002		10.45	4.80	5.65		10.43	5.63
	4/30/2002		10.45	4.55	5.90 5.89		10.43 10.43	5.88 5.87
	5/30/2002		10.45 10.45	4.56 4.68	5.89 5.77		10.43	5.75
	6/19/2002 7/14/2002		10.45	4.50	5.95		10.43	5.93
	8/10/2002		10.45	4.42	6.03		10.42	6.00
	0.10.2002		10.45		5.78	I	10.42	

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Table 3 Groundwater and Leachate Elevations 2006 Semi-Annual Monitoring Report Oyster Point Landfill South San Francisco, California

Well	Date	Screened	Origianl TOC	Depth to	Original GW	TOC Elevation	Adjusted TOC	New GW
Designation	Measured	Lithology	Elevation	Groundwater	Elevation	on 2/21/2003	Elevations	Elevation
GW-8c	5/1/2004		(ft. MLLW) 58.66	(feet) 35.41	(ft. MLLW) 23.25	(ft. MLLW)	(ft. MLLW) 58.65	(ft. MLLW) 23.24
(Continued)	6/6/2004		58.66	37.71	20.95		58.65	20.94
	7/10/2004		58.66	38.93	19.73		58.65	19.72
	8/1/2004		58.66	39.42	19.24	1	58.65	19.23
	12/5/2004		58.66	38.39	20.27		58.65	20.26
	3/5/2005		58.66	26.46	32.20		58.65	32.19
1	6/17/2005		58.66	34.20	24.46		58.65	24.45
	9/17/2005 12/24/2005		58.66	38.96	19.70		58.65 58.65	19.69 21.55
	3/11/2006		58.66 58.66	37.10 26.76	21.56 31.90		58.65	31.89
- 1	6/11/2006		58.66	32.32	26.34		58.65	26.33
Į.								[
GW-9a	8/19/1999	gravelly clay	36.50	l I		36.47	36.50	
	12/7/1999		36.50	24.75	11.75		36.50	11.75
	2/7/2000 7/18/2000		36.50 36.50	23.67 24.83	12.83 11.67		36.50 36.50	12.83 11.67
i	9/18/2000		36.50	24.79	11.71		36.50	11.71
ŀ	10/27/2000		36.50	24.75	11.75		36.50	11.75
	11/28/2000		36.50	<b>2</b> 4.27	12.23		36.49	12.22
	12/27/2000		36.50	25.10	11.40	}	36.49	11.39
	1/30/2001		36.50	24.64	11.86		36.49	11.85
J.	2/28/2001		36.50	22.79	13.71	1	36.49	13.70
ì	3/28/2001		36.50	24.85	11.65		36.49	11.64
	5/4/2001 5/31/2001		36.50 36.50	24.16 24.78	12.34 11.72		36.49 36.49	12.33 11.71
	6/11/2001		36.50	25.04	11.46	1	36.49 36.49	11.71
	7/31/2001		36.50	25.04	11.70		36.49	11.75
	8/30/2001		36.50			ľ	36.49	
1	9/24/2001		36.50				36.48	
	10/30/2001		36.50				36.48	
}	11/28/2001		36.50				36.48	
ľ	12/26/2001		36.50	23.04	13.46		36.48	13.44
	1/7/2002		36.50	22.62	13.88		36.48	13.86
	2/15/2002 3/18/2002		36.50 36.50	23.81 23.58	12.69 12.92		36.48 36.48	12.67 12.90
	4/30/2002		36.50	25.04	11.46	[	36.48	11.44
	5/30/2002		36.50	25.55	10.95		36.48	10.93
ļ	6/19/2002		36.50	25.96	10.54		36.48	10.52
· · · · · · · · · · · · · · · · · · ·	7/14/2002		36.50	DRY		1	36.47	
	8/10/2002		36.50	DRY			36.47	
J	9/21/2002		36.50	DRY		·	36.47	
	10/26/2002		36.50	25.91	10.59		36.47	10.56
	11/16/2002		36.50 36.50	25.42 25.79	11.08 10.71	J	36.47	11.05 10.68
	12/13/2002		36.50	22.77	13.73		36.47 36.47	13.70
ĺ	2/8/2003		36.50	24.66	11.84		36.47	11.81
	3/13/2003		36.50	24.68	11.82		36.47	11.79
	4/19/2003		36.50	23.74	12.76	l	36.47	12.73
1	5/23/2003		36.50	24.08	12.42		36.47	12.39
	6/24/2003		36.50	25.06	11.44		36.47	11.41
1	7/18/2003		36.50	DRY	{	Į.	36.47	
	8/2/2003		36.50	DRY			36.47	
	9/22/2003 10/11/2003		36.50 36.50	DRY DRY	ł		36.47 36.47	
	11/22/2003		36.50	25.59	10.91		36.47	10.88
	12/7/2003		36.50	23.77	12.73		36.47	12.70
	1/11/2004		36.50	22.75	13.75	{	36.47	13.72
	2/8/2004		36.50	23.37	13.13		36.47	13.10
1	3/6/2004		36.50	23.31	13.19		36.47	13.16
1	4/10/2004		36.50	24.55	11.95		36.47	11.92
1	5/1/2004		36.50	25.13	11.37	ľ	36.47 36.47	11.34
- 1	6/6/2004 7/10/2004		36.50 36.50	25.85 DRY	10.65		36.47 36.47	10.62
	8/1/2004		36.50	DRY			36.47	
	12/5/2004		36.50	25.26	11.24	ſ	36.47	11.21
ĺ	3/5/2005		36.50	23.65	12.85		36.47	12.82
	6/17/2005		36.50	24.22	12.28		36.47	12.25
	9/17/2005		36.50	DRY		}	36.47	
1	12/24/2005		36.50	23.60	12.90		36.47	12.87
ſ	3/11/2006		36.50	23.34	13.16		36.47	13.13
Ì	6/11/2006		36.50	24.06	12.44	ſ	36.47	12.41
CIV 10	8/10/1000		24.14	,,,,,		22.00	24.14	* * * .
GW-10a	8/19/1999	waste	24.16	18.85	5.31	23.80	24.16	5.31
	12/7/1999 2/7/2000		24.16 24.16	18.87 18.87	5.29 5.29		24.13 24.11	5.26 5.24
	7/18/2000		24.16	18.39	5.77	1	24.11	5.24 5.68
	9/18/2000		24.16	18.51	5.65		24.07	5.54
1	10/27/2000		24.16	18.61	5.55	Į	24.04	5.43
	11/28/2000		24.16	18.51	5.65		24.03	5.52

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Well	Date	Screened	Origianl TOC	Depth to	Original GW	TOC Elevation	Adjusted TOC	New GW
Designation	Measured	Lithology	Elevation	Groundwater	Elevation	on 2/21/2003	Elevations	Elevation
	<b>7</b> 11 115 000		(ft. MLLW)	(feet)	(ft. MLLW)	(ft. MLLW)	(ft. MLLW)	(ft. MLLW)
GW-11a	7/14/2002		8.51	11.60	-3.09	Į.	8.32	-3.28 5.25
(Continued)	8/10/2002 9/21/2002		8.51 8.51	3.07 3.21	5.44 5.30		8.32 8.31	5.10
	10/26/2002		8.51	3.15	5.36		8.30	5.15
<b>\</b>	11/16/2002		8.51	2.10	6.41		8.30	6.20
ſ	12/13/2002		8.51	3.12	5.39	ĺ	8.30	5.18
	1/11/2003		8.51	2.73	5.78	<b>!</b>	8.29	5.56
	2/8/2003		8.51	2.87	5.64	ļ	8.29	5.42
	3/13/2003		8.51	2.82	5.69		8.28	5.46
	4/19/2003		8.51	2.90	5.61		8.28	5.38
Į.	5/23/2003		8.51	2.78	5.73		8.28	5.50
	6/24/2003		8.51	2.89	5.62		8.28	5.39
	7/18/2003		8.51	3.01	5.50		8.28	5.27
ļ	8/2/2003 9/22/2003		8.51 8.51	2.97 2.99	5.54 5.52	Į į	8.28 8.28	5.31 5.29
ļ	10/11/2003		8.51	3.13	5.38	J J	8.28	5.15
	11/22/2003		8.51	3.12	5.39		8.28	5.16
	12/7/2003		8.51	2.96	5.55		8.28	5.32
	1/11/2004		8.51	2.58	5.93		8.28	5.70
	2/8/2004		8.51	2.90	5.61		8.28	5.38
	3/6/2004		8.51	2.86	5.65		8.28	5.42
	4/10/2004		8.51	2.69	5.82		8.28	5.59
	5/1/2004		8.51	2.95	5.56		8.28	5.33
[	6/6/2004		8.51	2.77	5.74		8.28	5.51
	7/10/2004		8.51	2.95	5.56		8.28	5.33
ļ	8/1/2004		8.51	2.90	5.61	ļ ļ	8.28	5.38
	12/5/2004		8.51 8.51	2.83 2.25	5.68	Į į	8.28	5.45 6.03
	3/5/2005 6/17/2005		8.51	2.23	6.26 6.12		8.28 8.28	5.89
	9/17/2005		8.51	2.68	5.83		8.28	5.60
[	12/24/2005		8.51	2.61	5.90		8.28	5.67
	3/11/2006		8.51	1.94	6.57		8.28	6.34
	6/11/2006		8.51	1.92	6.59		8.28	6.36
			]					
GW-12a	2/7/2000	waste	28.96	23.70	5.26	28.96	28.96	5.26
	7/18/2000		28.96	22.98	5.98		28.96	5.98
- {	9/18/2000		28.96	23.08	5.88	1	28.96	5.88
	10/27/2000		28.96	23.12	5.84		28.96	5.84
	11/28/2000		28.96	23.02	5.94		28.96	5.94
	12/27/2000		28.96	23.30	5.66	Ì	28.96	5.66
	1/30/2001		28.96 28.96	23.31 22.93	5.65 6.03		28.96 28.96	5.65 6.03
	2/28/2001 3/28/2001		28.96	22.54	6.42		28.96	6.42
- (	5/4/2001		28.96	22.94	6.02		28.96	6.02
	5/31/2001		28.96	22.75	6.21		28.96	6.21
	6/11/2001		28.96	22.84	6.12	J	28.96	6.12
	7/31/2001		28.96	23.04	5.92	i	28.96	5.92
- 1	8/30/2001		28.96	23.13	5.83	1	28.96	5.83
	9/24/2001		28.96	23.08	5.88		28.96	5.88
	10/30/2001		28.96	23.21	5.75	ĺ	28.96	5.75
Ì	11/28/2001		28.96	23.05	5.91		28.96	5.91
J	12/26/2001		28.96	23.04	5.92		28.96	5.92
	1/7/2002		28.96	22.63	6.33		28.96	6.33
	2/15/2002		28.96	22.39 22.55	6.57 6.41		28.96	6.57
	3/18/2002		28.96 28.96	22.54	6.42		28.96 28.96	6.41 6.42
	4/30/2002 5/30/2002		28.96	22.64	6.32		28.96	6.42
Ì	6/19/2002		28.96	22.82	6.14		28.96	6.14
ſ	7/14/2002		28.96	22.88	6.08	1	28.96	6.08
	8/10/2002		28.96	22.94	6.02	ì	28.96	6.02
	9/21/2002		28.96	23.19	5.77	l	28.96	5.77
1	10/26/2002		28.96	23.22	5.74	ľ	28.96	5.74
	11/16/2002		28.96	23.33	5.63		28.96	5.63
1	12/13/2002		28.96	23.39	5.57		28.96	5.57
	1/11/2003		28.96	22.73	6.23		28.96	6.23
1	2/8/2003		28.96	22.60	6.36	ŀ	28.96	6.36
	3/13/2003		28.96	22.70	6.26		28.96	6.26
	4/19/2003		28.96	22.63	6.33		28.96	6.33
Ī	5/23/2003		28.96	22.59	6.37	j	28.96	6.37
)	6/24/2003		28.96	22.79	6.17		28.96	6.17
	7/18/2003		28.96	22.84	6.12		28.96	6.12
	8/2/2003		28.96	22.87	6.09		28.96	6.09
	9/22/2003		28.96	22.95	6.01		28.96	6.01
	10/11/2003		28.96 28.96	23.05 23.12	5.91 5.84		28.96	5.91 5.84
1	11/22/2003 12/7/2003		28.96	23.12	5.84		28.96 28.96	5.84 5.83
1	1/11/2004		28.96	22.68	6.28		28.96	6.28
	2/8/2004		28.96	22.59	6.37	ł	28.96	6.37
	3/6/2004		28.96	22.37	6.59		28.96	6.59

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Table 3
Groundwater and Leachate Elevations
2006 Semi-Annual Monitoring Report
Oyster Point Landfill
South San Francisco, California

Well	Date	Screened	Origianl TOC	Depth to	Original GW	TOC Elevation	Adjusted TOC	New GW
Designation	Measured	Lithology	Elevation	Groundwater	Elevation	on 2/21/2003	Elevations	Elevation
GW-14a	3/28/2001		(ft. MLLW) 8.87	(feet) 4.24	(ft. MLLW) 4.63	(ft. MLLW)	(ft. ML/LW) 8.86	(ft. MLLW) 4.62
Continued)	5/4/2001		8.87	3.76	5.11		8.85	5.09
1	5/31/2001		8.87	4.13	4.74	}	8.85	4.72
ĺ	6/11/2001		8.87	4.30	4.57		8.85	4.55
1	7/31/2001		8.87	4.13	4.74		8.85	4.72
	8/30/2001		8.87 8.87	4.10 3.79	4.77 5.08		8.85 8.85	4.75 5.06
	9/24/2001 10/30/2001		8.87	3.24	5.63		8.85	5.61
	11/28/2001		8.87	4.65	4.22		8.85	4.20
	12/26/2001		8.87	3.02	5.85	ł	8.85	5.83
	1/7/2002		8.87	3.61	5.26		8.85	5.24
1	2/15/2002		8.87	3.47	5.40	j	8.84	5.37
	3/18/2002 4/30/2002		8.87 8.87	4.30 3.72	4.57 5.15		8.84 8.84	4.54 5.12
ì	5/30/2002		8.87	4.00	4.87		8.84	4.84
	6/19/2002		8.87	3.99	4.88		8.84	4.85
	7/14/2002		8.87	3.64	5.23		8.84	5.20
	8/10/2002		8.87	3.70	5.17		8.84	5.14
	9/21/2002		8.87	3.80	5.07		8.84	5.04
i	10/26/2002		8.87 8.87	3.78 3.30	5.09 5.57		8.83 8.83	5.05 5.53
	11/16/2002 12/13/2002		8.87	2.80	6.07	ì	8.83	6.03
ĺ	1/11/2003		8.87	2.99	5.88	1	8.83	5.84
}	2/8/2003		8.87	3.87	5.00		8.83	4.96
	3/13/2003		8.87	3.83	5.04		8.83	5.00
	4/19/2003		8.87	3.73	5.14		8.83	5.10
	5/23/2003		8.87	3.99	4.88		8.83	4.84
	6/24/2003 7/18/2003		8.87 8.87	4.30 3.95	4.57 4.92	J	8.83 8.83	4.53 4.88
	8/2/2003		8.87	4.00	4.87		8.83	4.83
	9/22/2003		8.87	3.79	5.08		8.83	5.04
1	10/11/2003		8.87	4.11	4.76		8.83	4.72
}	11/22/2003		8.87	3.16	5.71		8.83	5.67
	12/7/2003		8.87	2.35	6.52		8.83	6.48
	1/11/2004 2/8/2004		8.87 8.87	3.45 3.77	5.42 5.10		8.83 8.83	5.38 5.06
	3/6/2004		8.87	3.76	5.11		8.83	5.07
	4/10/2004		8.87	3.69	5.18		8.83	5.14
Í	5/1/2004		8.87	4.00	4.87		8.83	4.83
	6/6/2004		8.87	3.61	5.26	ì	8.83	5.22
	7/10/2004		8.87	4.02	4.85		8.83	4.81
1	8/1/2004		8.87	3.57	5.30		8.83	5.26 5.12
	12/5/2004 3/5/2005		8.87 8.87	3.71 3.01	5.16 5.86		8.83 8.83	5.82
ľ	6/17/2005		8.87	3.91	4.96		8.83	4.92
	9/17/2005		8.87	3.56	5.31		8.83	5.27
	12/24/2005		8.87	3.03	5.84		8.83	5.80
	3/11/2006		8.87	2.61	6.26		8.83	6.22
	6/11/2006		8.87	3.58	5.29		8.83	5.25
GW-15a	2/7/2000	waste	9.66	4.45	5.21	9.62	9.66	5.21
	7/18/2000		9.66	4.11	5.55	1.52	9.65	5.54
	9/18/2000		9.66	4.31	5.35		9.65	5.34
	10/27/2000		9.66	4.23	5.43		9.65	5.42
	11/28/2000		9.66	3.41	6.25		9.65	6.24
	12/27/2000 1/30/2001		9.66 9.66	4.33 3.93	5.33 5.73	1	9.65 9.65	5.32 5.72
1	2/28/2001		9.66	3.91	5.75		9.65	5.74
	3/28/2001		9.66	3.93	5.73	ì	9.65	5.72
	5/4/2001		9.66	3.98	5.68		9.64	5.66
Ì	5/31/2001		9.66	4.01	5.65	1	9.64	5.63
]	6/11/2001		9.66	4.07	5.59	ľ	9.64	5.57
1	7/31/2001		9.66 9.66	4.15 4.24	5.51 5.42		9.64 9.64	5.49 5.40
	8/30/2001 9/24/2001		9.66	4.24	5.28		9.64	5.40 5.26
	10/30/2001		9.66	4.27	5.39		9.64	5.37
	11/28/2001		9.66	3.44	6.22	1	9.64	6.20
	12/26/2001		9.66	4.04	5.62	j	9.64	5.60
	1/7/2002		9.66	3.87	5.79		9.64	5.77
1	2/15/2002		9,66	3.81	5.85	J	9.63	5.82
ſ	3/18/2002		9.66	3.90	5.76		9.63	5.73
	4/30/2002 5/30/2002		9.66 9.66	3.76 3.81	5.90 5.85		9.63 9.63	5.87 5.82
	6/19/2002		9.66	3.99	5.67		9.63	5.64
	7/14/2002		9.66	3.95	5.71		9.63	5.68
	8/10/2002		9.66	4.02	5.64	ľ	9.63	5.61
	9/21/2002		9.66	4.21	5.45		9.63	5.42
	10/26/2002		9.66	4.28	5.38		9.62	5.34
I .	11/16/2002		9.66	4.20	5.46		9.62	5.42

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Table 3 Groundwater and Leachate Elevations 2006 Semi-Annual Monitoring Report Oyster Point Landfill South San Francisco, California

Well	Date	Screened	Origianl TOC	Depth to	Original GW	TOC Elevation	Adjusted TOC	New GW
Designation	Measured	Lithology	Elevation	Groundwater	Elevation (ft. MLLW)	on 2/21/2003 (ft. MLLW)	Elevations (ft. MLLW)	Elevation (ft. MLLW)
GW-16a	12/5/2004		(ft. MLLW) 9.35	(feet) 3.67	5.68	(R. WILLW)	9.26	5.59
Continued)	3/5/2005		9.35	3.07	6.28		9.26	6.19
, ,	6/17/2005		9.35	3.50	5.85		9.26	5.76
	9/17/2005		9.35	3.20	6.15	{	9.26	6.06
1	12/24/2005		9.35	3.23	6.12		9.26	6.03
	3/11/2006		9.35	3.06	6.29		9.26	6.20
I	6/11/2006		9.35	3.06	6.29		9.26	6.20
GW-17a	2/7/2000	waste	10.22	6.13	4.09	10.08	10.22	4.09
	7/18/2000		10.22	6.48	3.74		10.20	3.72
Į.	9/18/2000		10.22	4.77	5.45		10.19	5.42
J	10/27/2000		10.22	4.84 4.67	5.38 5.55		10.19 10.18	5.35 5.51
	11/28/2000		10.22	4.91	5.31		10.18	5.27
	1/30/2001		10.22	4.91	5.31	}	10.18	5.27
	2/28/2001		10.22	4.55	5.67		10.17	5.62
	3/28/2001		10.22	4.30	5.92		10.17	5.87
Į.	5/4/2001		10.22	4.51	5.71		10.16	5.65
J	5/31/2001		10.22	4.56	5.66		10.16	5.60
	6/11/2001		10.22	4.55	5.67		10.16	5.61
	7/31/2001		10.22	4.66	5.56		10.15	5.49
	8/30/2001		10.22	4.77	5.45		10.15	5.38
	9/24/2001		10.22	4.80	5.42	ſ	10.15	5.35
	10/30/2001		10.22	4.78	5.44		10.14	5.36
	11/28/2001		10.22	4.62	5.60		10.14	5.52
	12/26/2001		10.22	4.62	5.60		10.13	5.51
	1/7/2002		10.22 10.22	4.27 4.24	5.95		10.13 10.13	5.86 5.89
	2/15/2002 3/18/2002		10.22	4.34	5.98 5.88	}	10.13	5.78
- 1	4/30/2002		10.22	4.23	5.99		10.12	5.89
Į.	5/30/2002		10.22	4.29	5.93		10.12	5.83
J	6/19/2002		10.22	4.28	5.94		10.11	5.83
	7/14/2002		10.22	4.49	5.73	[	10.11	5.62
	8/10/2002		10.22	4.51	5.71		10.11	5.60
	9/21/2002		10.22	4.70	5.52		10.10	5.40
	10/26/2002		10.22	4.72	5.50		10.10	5.38
	11/16/2002		10.22	4.77	5.45		10.09	5.32
ľ	12/13/2002		10.22	4.78	5.44	1	10.09	5.31
	1/11/2003		10.22	4.57	5,65		10.09	5.52
	2/9/2003		10.22	4.31	5.91		10.08	5.77
	3/13/2003		10.22	4.17	6.05		10.08	5.91
ſ	4/19/2003		10.22	4.27	5.95	ľ	10.08	5.81
- 1	5/23/2003		10.22	4.14	6.08	1	10.08	5.94
ì	6/24/2003		10.22	4.45	5.77		10.08	5.63
	7/18/2003		10.22	4.37	5.85		10.08	5.71
	8/2/2003		10.22	4.39	5.83		10.08	5.69
	9/22/2003		10.22 10.22	4.44 4.56	5.78 5.66		10.08 10.08	5.64
- 1	10/11/2003 11/22/2003		10.22	4.63	5.59	ł	10.08	5.52 5.45
	12/7/2003		10.22	4.60	5.62		10.08	5.48
ì	1/11/2004		10.22	4.19	6.03		10.08	5.89
- 1	2/8/2004		10.22	4.19	6.03	1	10.08	5.89
	3/6/2004		10.22	4.17	6.05		10.08	5.91
J	4/10/2004		10.22	4.00	6.22		10.08	6.08
	5/1/2004		10.22	4.15	6.07	ľ	10.08	5.93
	6/6/2004		10.22	4.16	6.06		10.08	5.92
1	7/10/2004		10.22	4.36	5.86		10.08	5.72
	8/1/2004		10.22	4.37	5.85		10.08	5.71
	12/5/2004		10.22	4.45	5.77	ļ	10.08	5.63
- 1	3/5/2005		10.22	3.70	6.52		10.08	6.38
1	6/17/2005		10.22	3.50	6.72	1	10.08	6.58
	9/17/2005		10.22	3.82	6.40	l	10.08	6.26
ļ	12/24/2005		10.22	3.97	6.25	l	10.08	6.11
ľ	3/11/2006 6/11/2006		10.22 10.22	3.30 2.97	6.92 7.25	ļ	10.08 10.08	6.78 7.11
MW-5	2/7/2000	waste	22.45	16.90	5.55	22.44	22.45	5.55
	7/18/2000		22.45	17.15	5.30		22.45	5.30
ļ	9/18/2000		22.45	17.13	5.18	l	22.45	5.18
ļ	10/27/2000		22.45	17.36	5.09	ſ	22.45	5.09
}	11/28/2000		22.45	17.25	5.20		22.45	5.20
	12/27/2000		22.45	16.77	5.68		22.45	5.68
	1/30/2001		22.45	17.14	5.31		22.45	5.31
	2/28/2001		22.45	16.18	6.27	ł	22.45	6.27
	3/28/2001		22.45	16.35	6.10		22.45	6.10
	5/4/2001		22.45	16.83	5.62		22.45	5.62
	5/31/2001		22.45	17.08	5.37		22.45	5.37
	6/11/2001		22.45	17.08	5.37		22.45	5.37
	7/31/2001		22.45	17.31	5.14		22.45	5.14

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Table 4
Water Quality Sample Analytical Results
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Well	Date	Benzene	Ethylbenzene	Total Xylenes	Chlorobenzene	Naphthalene
Designation	Collected	(µg/L)	(μg/L)	(μg/L)	(μg/L)	μg/L)
- C			, <u>, , , , , , , , , , , , , , , , , , </u>	7	1-1	
GW-la	<b>7</b> /21/1999	20.6	313	573.8	138	77
	12/27/2000	52.1	<10.0	<10.0	<10.0	62.5
	3/29/2001	56.9	108	424.9	87.1	66.4
	6/11/2001	39.7	124	405.5	90.2	50.0
	9/24/2001	50.7	133	537	115	66.0
	12/26/2001	48	79	330	87	68
	6/19/2002	49	46	356	90	73
	12/13/2002	54	41	291	86	84
	6/24/2003	44	37	331	95	93
	12/18/2003	51	38	281	90	80
	6/21/2004	47	25	244	78	90
	12/16/2004	48	23	76	70	75
	12/28/2005	44	21	234	77	96
	12/20/2005	••		25.		
GW-2b	7/27/1999	< 0.500	<0.500	< 0.500	<0.500	<1.00
-	12/27/2000	0.820	<0.500	0.590	<0.500	<1.00
	3/28/2001	< 0.500	< 0.500	0.520	<0.500	<1.00
	6/11/2001	0.58	<0.500	< 0.500	<0.500	<1.00
	9/24/2001	<0.500	<0.500	<0.500	<0.500	<1.00
	12/26/2001	<5.0	<5.0	<5.0	<5.0	<5.0
	3/18/2002	<5.0	<5.0	26	<5.0	<5.0
	6/19/2002	<5.0	<5.0	<5.0	<5.0	<5.0
	9/25/2002	<0.5	<0.5	<0.5	<0.5	<2.0
	12/13/2002	<5.0	<5.0	<5.0	<5.0	<5.0
	3/13/2003	<5.0	<5.0	<5.0	<5.0	<5.0
	6/24/2003	<5.0	<5.0	<5.0	<5.0	<5.0
	9/22/2003	<5.0	<5.0	<5.0	<5.0	<5.0
	12/18/2003	<0.5	<0.5	0.7	<0.5	<2.0
	3/23/2004	<0.5	<0.5	0.8	<0.5	<2.0
	6/21/2004	<0.5	<0.5	<0.5	<0.5	<2.0
	9/23/04 ***	<0.5	<0.5	<0.5	<0.5	<2.0
		<5.0	<5.0	<5.0	<5.0	<5.0
	12/16/2004		<0.5	<0.5	1	<2.0
	6/23/2005	<0.5			<0.5	
ł	12/28/2005	<0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<5.0 <5.0
	6/28/2006	<0.5	<b>~0.5</b>	<0.5	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	<5.0
GW-3a	7/21/1999	48	566	2770	207	423
GW-3a	12/27/2000	64.0	580	3018	207	130
	3/29/2001	<50.0	517	2224	88.7	<100
	6/11/2001	63.5	600	2883	209	134
	9/24/2001	56	624	3045	209	133
	12/26/2001 6/19/2002	45 39	410 570	2160 3800	170 150	100 80
		41	420	2780	150	80 99
	12/13/2002	42	580	2580	160	
	6/24/2003					140
	12/18/2003	<b>5</b> 3	350	2540	190	130
ļ	6/21/2004	55	360	2610	190	140
	12/16/2004	<71	130	2140	190	140
	12/28/2005	50	440	2000	210	140

Table 4
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Well	Date	Benzene	Ethylbenzene	Total Xylenes	Chlorobenzene	Naphthalene
Designation	Collected	(µg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)
•		7				
GW-6a	7/21/1999	12.3	33.5	5.32	27.7	79.4
	12/27/2000	35.9	32.2	8.49	28.7	48.2
	3/29/2001	52.6	24.3	<5.00	19.3	42.8
	6/11/2001	52.5	19.8	2.47	15.0	45.7
	9/24/2001	44.4	62.4	<5.00	43.1	32
	12/26/2001	31	29	<5.0	23	29
	3/18/2002	50	35	<5.0	26	32
	6/19/2002	39	47	<5.0	34	18
	12/13/2002	35	37	<5.0	23	17
ŀ	6/24/2003	40	45	<5.0	34	25
	12/18/2003	32	39	3.0	29	14
ì	6/21/2004	39	47	4.5	36	9.2
	12/16/2004	28	51	<5.0	40	6.6
	6/23/2005	54	26	4.4	22	18
	12/28/2005	39	30	6.5	26	5.3
	6/28/2006	60	37	8.5	34	14
Ì	0/28/2000	00	37	8.5	34	14
GW-7a	7/21/1999	<0.500	< 0.500	<0.500	<0.500	<1.00
	12/27/2000	<0.500	< 0.500	<0.500	<0.500	<1.00
	3/28/2001	<0.500	<0.500	<0.500	<0.500	<00.1>
	6/11/2001	<0.500	<0.500	<0.500	<0.500	<1.00
	9/24/2001	<0.500	<0.500	< 0.500	<0.500	<1.00
	12/26/2001	<5.0	<5.0	<5.0	<5.0	<5.0
	6/19/2002	<5.0	<5.0	<5.0	<5.0	<5.0
	12/13/2002	<5.0	<5.0 <5.0	<5.0 <5.0	<5.0 <5.0	<5.0
	6/24/2003	<5.0 <5.0	<5.0	<5.0 <5.0	<5.0	<5.0
		<0.5	<0.5	<0.5	<0.5	<2.0
	12/18/2003	1 1		l .	<0.5	<2.0
	6/21/2004	<0.5	<0.5	<0.5	1 1	
	12/16/2004	<5.0	<5.0	<5.0	<5.0	< 5.0
	6/23/2005	<0.5	<0.5	<0.5	<0.5	<2.0
]	12/28/2005	<0.5	<0.5	<0.5	<0.5	<5.0
	6/28/2006	<0.5	<0.5	<0.5	<0.5	<5.0
GW-8c	7/27/1999	<0.500	<0.500	<0.500	<0.500	<1.00
GW-8C		<0.500	<0.500	<0.500	<0.500	<1.00
	12/27/2000				l	
	3/28/2001 6/11/2001	<0.500 <0.500	<0.500 <0.500	<0.500 <0.500	<0.500 <0.500	<1.00 <1.00
			<0.500	<0.500	<0.500	
	9/24/2001	<0.500				<1.00
ľ	12/26/2001	<5.0	<5.0	<5.0	<5.0	<5.0
	6/19/2002	<5.0	<5.0	<5.0	<5.0	<5.0
	12/13/2002	<5.0	<5.0	<5.0	<5.0	<5.0
ļ	6/24/2003	<5.0	<5.0	<5.0	<5.0	<5.0
	12/18/2003	<0.5	<0.5	<0.5	<0.5	<2.0
	6/21/2004	<0.5	<0.5	<0.5	<0.5	<2.0
[	# (0.1.11.00.0		-1.00	-1.00	44.5	-0.0
GW-9a	7/21/1999	1.64	<1.00	<1.00	44.5	<2.0
ľ	12/27/2000	1.35	<1.00	<1.00	83.7	<2.0
İ	3/28/2001	<5.00	<5.00	<5.00	94.3	<10.0
	6/11/2001	3.29	<1.00	<1.00	56.7	<2.00
(	12/26/2001	<5.0	< 5.0	<5.0	110	<5.0
1	12/18/2003	<0.5	<0.5	<0.5	59	<2.0
	6/21/2004	Well Dry - Not Sample	۱ ۱		•	

2006 Semi-Annual Monitoring Report Oyster Point Landfill Terra Engineers, Inc. with PES Environmental, Inc.

Table 4
Water Quality Sample Analytical Results
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Well	Date	Вепгепе	Ethylbenzene	Total Xylenes	Chlorobenzene	Naphthalene
Designation	Collected	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)
		<del></del>				
GW-14a	2/7/2000	0.640	<0.500	<0.500	15.5	<1.00
	12/27/2000	0.630	<0.500	<0.500	21.7	<1.00
	3/28/2001	0.500	<0.500	<0.500	11.7	<1.00
	6/11/2001	0.56	<0.500	<0.500	14.4	<1.00
	9/24/2001	0.54	<0.500	< 0.500	17	<1.00
	12/26/2001	<5.0	<5.0	<5.0	12	<5.0
	6/19/2002	<5.0	<5.0	<5.0	12	<5.0
	12/13/2002	< 5.0	<5.0	<5.0	9.4	<5.0
	6/24/03 *	<5.0	<5.0	<5.0	13	<5.0
	12/18/2003	< 0.5	<0.5	<0.5	7.0	<2.0
	6/21/2004**	< 0.5	<0.5	<0.5	15	<2.0
	12/16/2004	<5.0	<5.0	<5.0	11	<5.0
	6/23/2005	< 0.5	<0.5	<0.5	12	<2.0
	12/28/2005	< 0.5	<0.5	<0.5	11	<5.0
	6/28/2006	0.5	<0.5	<0.5	8.0	<5.0
GW-15a	2/7/2000	6.32	<0.500	1.78	16.9	64.3
	12/27/2000	1.91	2.29	11.94	11.3	13.5
	3/29/2001	3.49	<0.500	< 0.500	11.4	19.6
	6/11/2001	7.19	<1.00	<1.00	17.6	80.0
	9/24/2001	3.93	<0.500	<0.500	19.1	11.9
	12/26/2001	<5.0	<5.0	<5.0	<5.0	<5.0
	6/19/2002	7.7	<5.0	<5.0	23	59
	12/13/2002	<5.0	<5.0	<5.0	22	<5.0
	6/24/2003	5.7	<5.0	<5.0	22	34
	12/18/2003	0.5	<0.5	<0.5	7.7	<2.0
	6/21/2004	5.9	<0.5	0.6	31	11
		<5.0	<5.0	<5.0	13	<5.0
	12/16/2004	3.5	<0.5	<0.5	16	12
	6/23/2005				15	<5.0
	12/28/2005	1.4	<0.5	<0.5	27	23
	6/28/2006	6.8	<0.5	1.1	27	23
GW-16a	2/7/2000	2.14	6.41	9.00	4.52	8.11
	12/27/2000	2.41	2.25	2.21	4.24	2.12
	3/29/2001	1.73	2.11	2.40	3.74	1.51
	6/11/2001	1.88	1.94	1.99	3.63	<1.00
	9/24/2001	2.75	2.64	2.97	4.45	1.33
	12/26/2001	<5.0	<5.0	<5.0	<5.0	<5.0
	3/18/2002	<5.0	<5.0	<5.0	<5.0	<5.0
	6/19/2002	<5.0	<5.0	<5.0	<5.0	<5.0
	9/25/2002	2.24	1.76	2.54	3.73	<2.0
	12/13/2002	<5.0	<5.0	<5.0	<5.0	<5.0
	3/13/2003	<5.0	<5.0	<5.0	<5.0	<5.0
	6/24/2003	< 5.0	<5.0	<5.0	<5.0	<5.0
	9/29/2003	<5.0	<5.0	<5.0	<5.0	<5.0
	12/18/2003	2.7	2.5	3.5	6.3	<2.0
	3/23/2004	1.9	2.0	2.4	4.7	<2.0
	6/21/2004	2.1	1.7	2.5	4.7	<2.0
	9/23/2004	2.5	2.0	2.5	4.7	<2.0
	12/16/2004	<5.0	<5.0	<5.0	<5.0	<5.0
	6/23/2005	2.0	2.4	2.7	5.1	<2.0
	12/28/2005	1.2	1.4	2.3	5.8	<5.0
	6/28/2006	1.9	1.7	2.5	4.8	<5.0
	0,20,2000	**/	1	I	ı J	

Table 5 Landfill Gas Perimeter Monitoring Results 2006 Semi-Annual Monitoring Report Oyster Point Landfill South San Francisco, California

Well Identification	Date (m/d/y)	Time Elapsed (seconds)	Purged Volume (liters)	CH₄ (%)	CO <sub>2</sub> (%)	O <sub>2</sub> (%)	Balance Gas (%)	LEL (%)	SP (in. water)	Purge Flow Rate (L/min)	Depth to Water (ft BTOC)
LFG-1	4/22/2003	0	0.0	0.5	0.9	7.0	91.6	10	2.4	1.0	
		258	4.3	0.4	1.1	7.0	91.5	8	NM	NM	
		516	8.6	0.3	1.4	4.0	94.3	6	NM	NM	
		774	12.9	0.3	1.6	2.8	95.3	6	-81.3	1.0	
	11/14/2003	0	0.0	0.0	0.9	18.5	80.3	0	-1.0	0.5	17.01
		312	2.6	0.0	2.8	17.1	80.0	0	NM	0.5	
		624	5.2	0,0	2.0	18.2	79.8	0	NM	0.5	
		936	7.8	0.0	1.8	18.5	79.9	0	NM	0.5	
	2/11/2004	0	0.0	0.0	1.4	4.0	94.6	0	1.6	0.5	17.58
		324	2.7	0.0	2.3	14.9	82.9	0	NM	0.5	
		648	5.4	0.0	2.1	13.8	82.5	0	NM	0,5	
		972	8.1	0.0	2.4	14.1	82.8	0	-49.5	0.5	
	5/12/2004	0	0.0	0.0	0.0	19.3	81.4	0	2.7	0.5	12.91
		240	2.0	0.0	0.7	15.0	84.3	0	NM	0.5	
		480	4.0	0.0	0.7	14.7	84.8	0	NM	0.5	
		720	6.0	0.0	0.8	14.7	84.9	0	-20.2	0.5	
	7/22/2004	0	0.0	0.0	2.4	16.8	80.8	0	0.0	0.5	15.40
		300	2.5	0.0	3.0	15.7	81.3	0	NM	0.5	
		600	5.0	0.0	2.9	16.5	80.6	0	NM	0.5	
		900	7.5	0.0	2.7	17.2	80.1	0	-2.8	0.5	
	8/31/2004	0	0.0	0,0	3,4	17.4	79.2	0	0.0	0.5	16.35
	G51,200 /	300	2.5	0.0	2.0	17.4	80.6	ō	NM	0.5	
		600	5.0	0,0	2.0	18.6	79.4	0	NM	0.5	
		900	7.5	0.0	2.0	18.7	79.3	0	-1.8	0.5	
	11/17/2004	0	0.0	0.0	3.1	18.5	87.4	0	0.0	0.5	17.87
	1	300	2,5	0.0	3.3	13.3	83.4	ō	NM	0.5	
		600	5.0	0,0	3.1	13.2	83.7	o	NM	0.5	
		900	7.5	0.0	3.0	13.1	83.9	0	-0.5	0.5	
	2/2/2005	0	0.0	0.0	2.5	9.3	88.2	0	5.5	0.5	18.02
		300	2.5	0.0	2.6	9,2	88.2	0	NM	0.5	
		600	5.0	0.0	2.5	9.3	88.2	ا آ	NM	0,5	
		900	7.5	0.0	2.5	9.7	87.8	Ö	-70.6	0.5	
	5/18/2005	0	0.0	0.0	0,0	18.9	81.1	0	-0.1	0.5	14.03
	3/16/2003	300	2.5	0.0	0.6	18.9	80.5	Ö	NM	0.5	
		600	5.0	0.0	0.6	19.0	80.4	Ö	NM	0.5	~**
		900	7.5	0.0	0.6	19.1	80.3	ŏ	-10.1	0.5	
	8/10/2005	0	0.0	0.1	1.3	17.7	80.9	2	-1.8	0.5	14.28
	8/10/2002	300	2.5	0.1	2.5	16.3	81.1	2	NM	0.5	
		600	5.0	0.1	2.5	16.4	81.0	2	NM	0.5	
		900	7.5	0.1	2.3	17.6	80,0	2	-1.9	0.5	***
	11/30/2005	0	0.0	0.0	0.1	21.5	78.4	0	-1.6	0.5	17.00
	11/30/2003	300	2.5	0.0	2.7	20.0	77.3	0	NM	0.5	
		600	5.0	0.0	2.4	20.3	77.3	0	NM	0.5	
		900	7.5	0.0	2.1	20.6	77.3	0	-1.6	0.5	
	2/17/2006	0	0.0	0.0	2.3	16.9	80.8	0	-1.3	0.5	14.06
	2/17/2006	300		0.0	1.5	18.4	80.8 80.1	0	-1.3 NM	0.5 0.5	14.06
l		600	2.5	0.0	1.1	18.4	80.0	0	NM NM	0.5 0.5	
		900	5.0 7.5	0.0	1.0	19.1	79.9	0	-1.3	0.5 0.5	
	5/04/0004										
	5/26/2006	0	0.0	0.3	1.8	12.5	85.4	5 7	-1.1 NM	0.5 0.5	9 80
		300	2.5 5.0	0.4	2.2	10.8 7.4	86 6 90.3	3	NM NM	0.5 0.5	***
		600		0.2	2.1			NM	-20.7	0.5 0.5	
		900	7.5	0 1	2.3	4.4	93.2	INIM	-20.7	0.5	

Table 5 Landfill Gas Perimeter Monitoring Results 2006 Semi-Annual Monitoring Report Oyster Point Landfill South San Francisco, Callfornia

Well Identification	Date (m/d/y)	Time Elapsed (seconds)	Purged Volume (liters)	CH <sub>4</sub> (%)	CO <sub>2</sub> (%)	O <sub>2</sub> (%)	Balance Gas	LEL (%)	SP (in. water)	Purge Flow Rate (L/min)	Depth to Water (ft BTOC)
	. ,,	<u> </u>	` '				, ,		, ,	` ,	
LFG-3*	4/22/2003	0	0.0	40.2	5.3	0.4	54.1	804	1.4	1.0	
		234	3.9	26.3	4.8	1.7	67.2	526	NM	NM	
		468	7.8	44.4	7.9	1.1	46.6	888	NM	NM	
		702	11.7	61.1	10.3	1.0	27.6	1222	-95.0	0.8	
Sample	No. LFG-3 (4/22	2/03) Analysis by Mo	fified ASTM D-1946:	63.0	12.0	0.65	20 (1)				
	11/14/2003	o	0.0	0.0	4.2	17.2	63.6	0	-1.1	0.5	21.62
		396	3.3	61.6	12.0	1.4	25.5	1232	NM	0.5	
		792	6.6	57.5	14.0	2.4	25.6	1150	NM	0.5	
		1188	9.9	59.0	15.0	2.1	24.1	1180	-31.6	0.5	
	2/11/2004	o	0.0	0.0	2.2	15.0	82.8	0	1.8	0.5	10.75
		204	1.7	4,0	0.4	19.9	76.6	80	NM	0.5	
		408	3.4	1.3	0,0	20.6	78.0	26	NM	0.5	
		612	5.1	1.6	0.0	20.5	77.9	32	-18.5	0.5	
	5/12/2004	0	0.0	41.5	1.8	9.2	44.6	830	2.8	0.5	17.04
	3/12/2004	312	2.6	14.0	2.2	15.8	67.8	280	NM	0.5	
		624	5.2	13.7	2.0	17.3	67.2	274	NM	0.5	
		936	7.8	14.2	2.0	17.3	66.5	284	-18.8	0.5	
	8/31/2004	0	0.0	8.9	3.1	16.7	71.3	178	0.2	0.5	20.64
	8/31/2004		2.5	2.3	1.0	19.5	77.2	46	NM	0.5	20.04
		300			1.1			54	NM	0.5	
		600 900	5.0 7.5	2.7 2.7	1.1	19.5 19.5	76.7 76.7	54 54	-10.8	0.5	
							1		1		
	11/17/2004	0	0.0	41.0	13.6	3.4	42.0	820	0.0	0.5	19.01
		300	2.5	55.8	17.1	0.0	27.1	1116	NM	0.5	*
		600	5.0	66.9	17.8	0.0	15.3	1338	NM	0.5	
		900	7.5	71.0	18.0	0.0	11.0	1420	-23.3	0.5	
	2/2/2005	0	0.0	45.0	9.8	5.1	60.1	900	1.9	0.5	9 78
		300	2.5	7.9	1.3	18.0	72.8	158	NM	0.5	
		600	5.0	2.8	0.3	19.9	77.0	56	NM	0.5	
		900	7.5	0.0	0.0	20.8	79.2	0	-28.8	0.5	
	5/18/2005	0	0.0	71.8	15.4	0.0	12.8	1436	1.0	0.5	15.94
		300	2.5	72.2	15.6	0.0	12.2	1444	NM	0.5	
		600	5.0	80.0	18.4	0.0	1.6	1600	NM	0.5	
		900	7.5	79.9	20.1	0.0	0.0	1598	-30.2	0.5	
	8/10/2005	٥ ا	0.0	62.7	14.5	1.8	21.0	1254	-2.1	0.5	18.05
	0.10/2000	300	2.5	55.9	12.7	3.4	28.0	1118	NM	0.5	*
		600	5.0	53 0	13.0	4.4	29.6	1060	NM	0.5	
		900	7.5	52.3	14.2	4.7	28.8	1046	-2.1	0.5	
	11/30/2005	0	0.0	74.5	16.8	2.6	6.1	1490	-1.6	0.5	21.32
	11/30/2003	300	2.5	65.2	14.6	3.8	16.4	1304	NM	0.5	27.72
		600	5.0	62.8	14.0	4.4	18.6	1256	NM	0.5	
		900	7.5	60.4	13.9	4.7	21.0	1208	-1.6	0.5	•••
	•4199005							>100		0.5	
	2/17/2006	0	0.0	67.8	12.6	27	16.9	>100	-1.5 NM	0.5 0.5	17.71
		300	2.5	46.0	8.5	5.7	39.8				
		600 900	5.0 7.5	42.2 43.2	7.9 8.3	6.5 6.6	43.4 41.9	>100 >100	NM -1.5	0.5 0.5	
	5/26/2006	0	0.0	74.0	13.1	0.2	12.7	>100	-1.0	0.5	12 50
		300	2.5	76.6	13.8	0.0	9.6	>100	NM	0.5	
		600	5.0	79.8	16.5	0.0	3.7	>100	NM 47.2	0.5	***
		900	7.5	81.4	17.7	0.0	0.9	>100	-47.3	0.5	

#### Table 5 Landfill Gas Perimeter Monitoring Results 2006 Semi-Annual Monitoring Report Oyster Point Landfill South San Francisco, California

Well Identification	Date (m/d/y)	Time Elapsed (seconds)	Purged Volume (liters)	СН, (%)	CO <sub>2</sub> (%)	O <sub>2</sub> (%)	Balance Gas (%)	LEL (%)	SP (in. water)	Purge Flow Rate (L/min)	Depth to Water (ft BTOC)
LFG-5	11/14/2003	NA	ΝA	NA	NA	NA	NA	NA	NA	NA	3.17
	2/11/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.95
	5/12/2004	NA	NA	NA	NA	NA	ΝA	NA	NA	NA	2.05
	8/31/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.88
	11/17/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.01
	บบ2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.32
	5/18/2005	NA.	NA	NA	NA	NA	NA	NA	NA	NA	1.73
	8/10/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.93
	11/30/2005	NA NA	NA	NA	NA	NA	NA	NA	NA	NA	2.89
	2/17/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.69
	5/26/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.36
LFG-6	11/14/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.56
	2/11/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.15
	5/12/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.92
	8/31/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.75
	11/17/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.81
	2/2/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.52
	5/18/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.76
	8/10/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.20
	11/30/2005	NA.	NA	NA	NA	NA	NA	NA	NA	NA	1.17
	2/17/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.20
	5/26/2006	NA	NA	NA	NA	NA	NA	NA	.NA	NA	0.00
LFG-7	11/14/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.87
	2/11/2004	NA	NΛ	NA	NA NA	NA	NA	NA	NA NA	NA	1.09
	5/12/2004	NA	NA.	NA	NA NA	NA	NA	NA	NA	NA	1.09
	8/31/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.35
	11/17/2004	NA	NA	NA	NA	NA	NA NA	NA	NA NA	NA	1.39
	2/2/2005	NA	NA	NA	NA	NA	NA NA	NA	NA	NA	0.83
	5/18/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.02
	8/10/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.54
	11/30/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.64
	2/17/2006	NA	NA	NA	NA	NΑ	NA	NA	NA	NA	0.60
	5/26/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.10

#### Notes:

LFG-3\* was measured, however the well is not considered a perimeter monitoring point

NA - LFG-5, 6 and 7 - Wells unable to be sampled due to submerged well screen (no gas)

CH, Methane

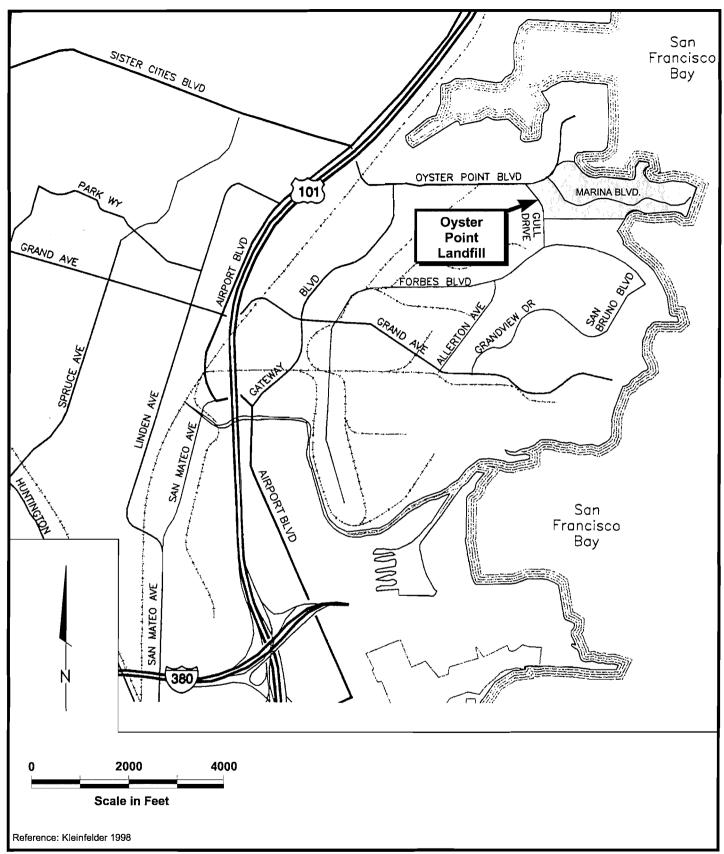
CO2 - Carbon dioxide

O<sub>2</sub> - Oxygen

LEL - Lower explosion limit

SP - Specific pressure
in water - inches of water
1/min - liters per minute
ft BTOC - feet below top of casing
Dry - water not present in well casing

(1) - Nitrogen was detected at a concentration of 20%; carbon monoxide was not detected at or above the laboratory reporting limit of 0.0010%.





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Site Location Map 2006 Semi-Annual Report Oyster Point Landfill South San Francisco, California

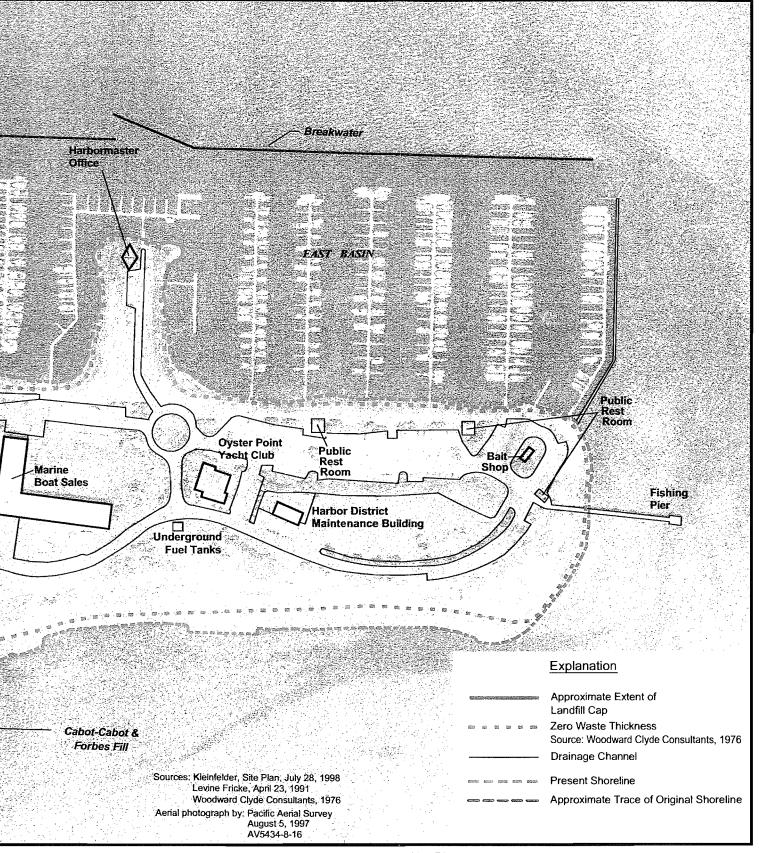
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PDG

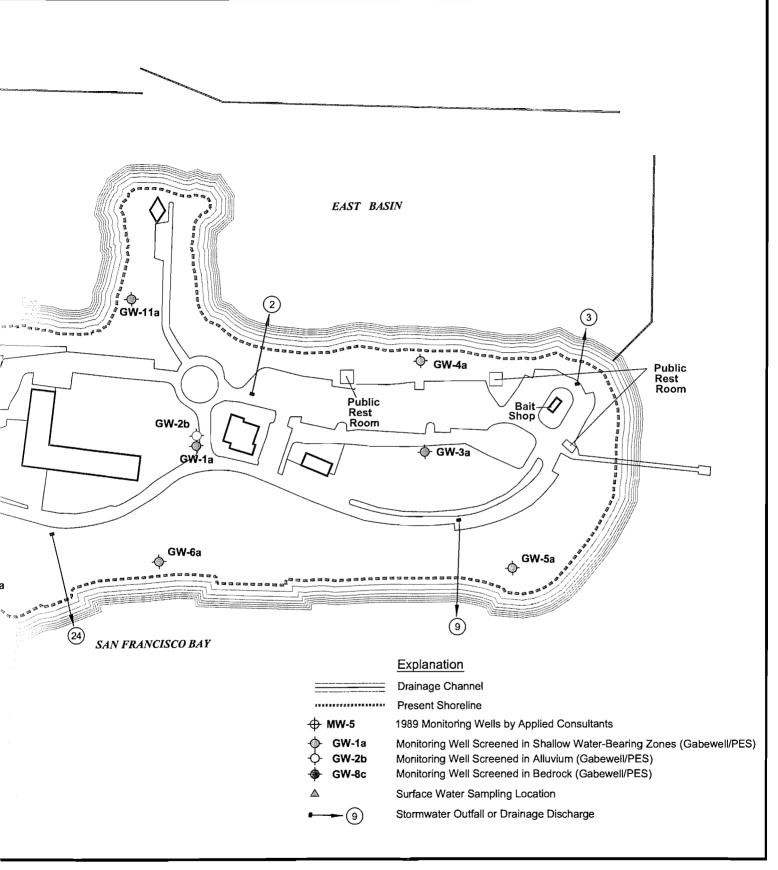
7/06



Site Plan
2006 Semi-Annual Report
Oyster Point Landfill
South San Francisco, California

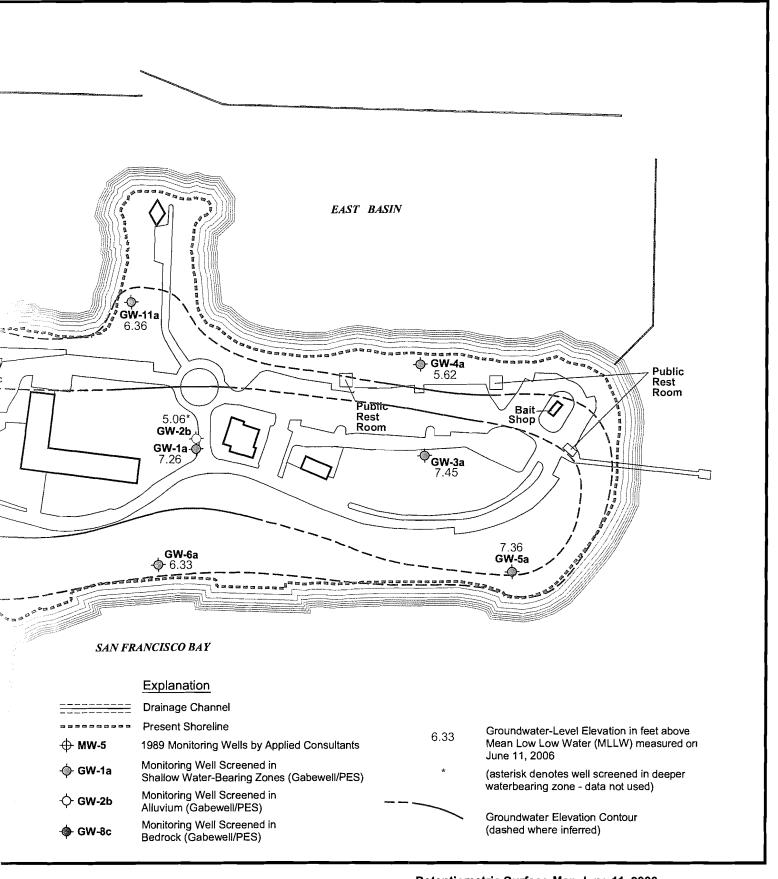
Figure

2



Monitoring Well and Point of Compliance Sampling Locations

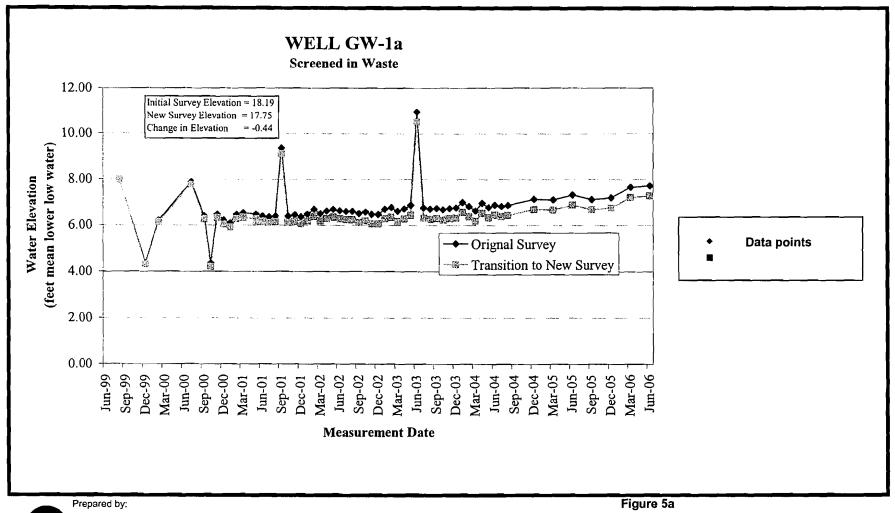
2006 Semi-Annual Report Oyster Point Landfill South San Francisco, California 3



Potentiometric Surface Map June 11, 2006 2006 Semi-Annual Report Oyster Point Landfill South San Francisco, California

Figur

4





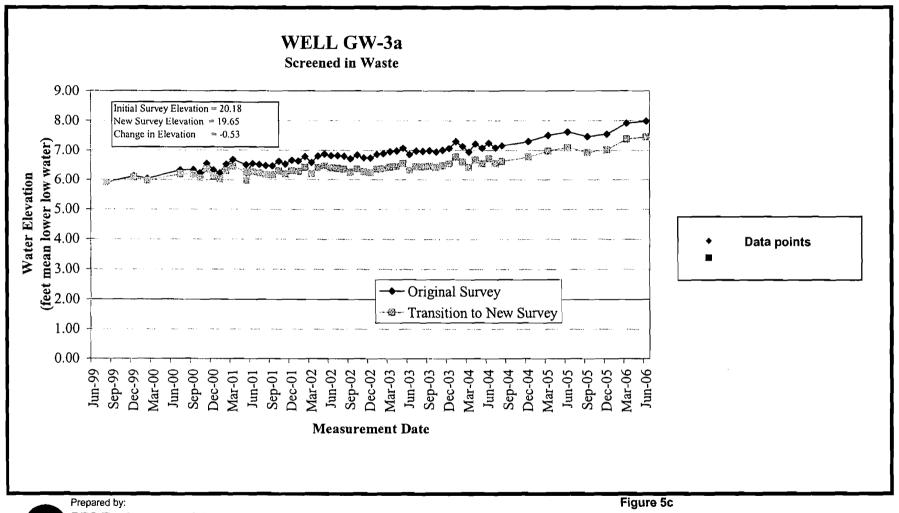
Engineering & Environmental Services

TERRA engineers, inc.

Hydrograph for Well GW-1a

2006 Semi-Annual Monitoring Report Oyster Point Landfill

650.002.01.020	2006 Semi-Annual Report Hydrographs.xls	PDG	Jul-06
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE





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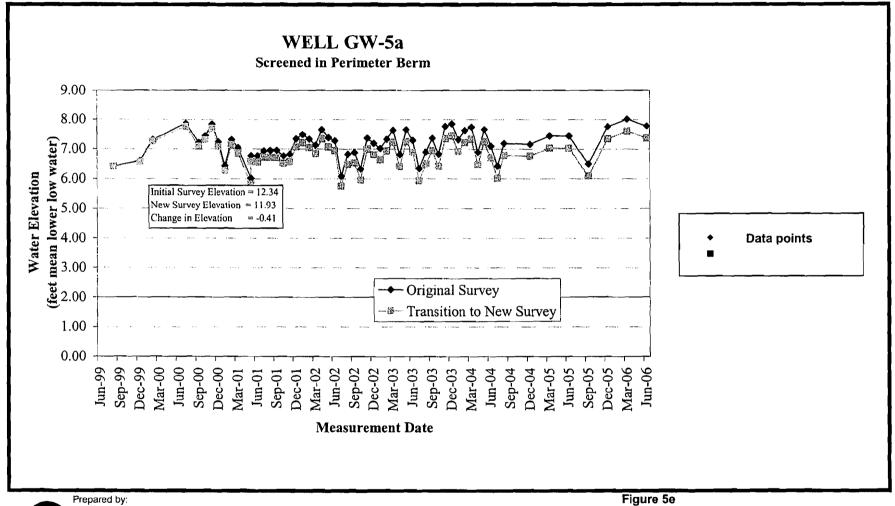
For

TERRA engineers, inc.

Hydrograph for Well GW-3a

2006 Semi-Annual Monitoring Report Oyster Point Landfill

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JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE





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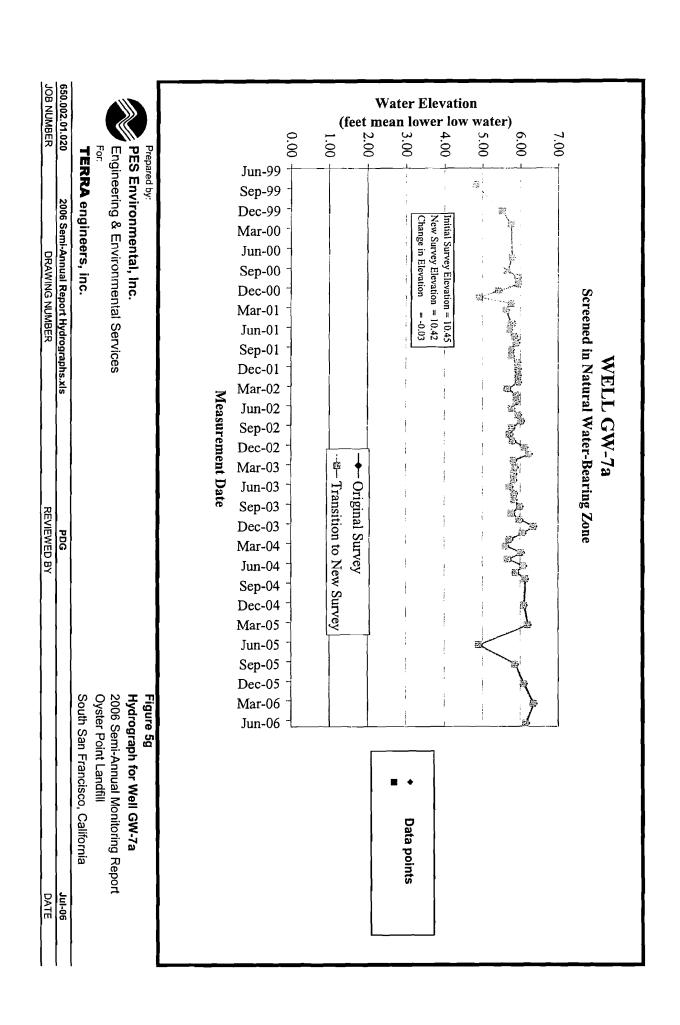
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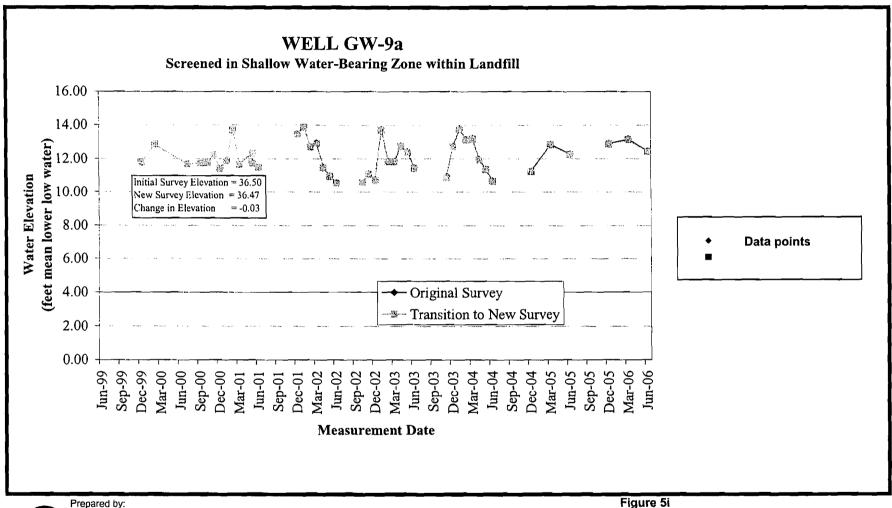
TERRA engineers, inc.

Hydrograph for Well GW-5a

2006 Semi-Annual Monitoring Report Oyster Point Landfill

650.002.01.020	2006 Semi-Annual Report Hydrographs.xls	PDG	Jul-06
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE







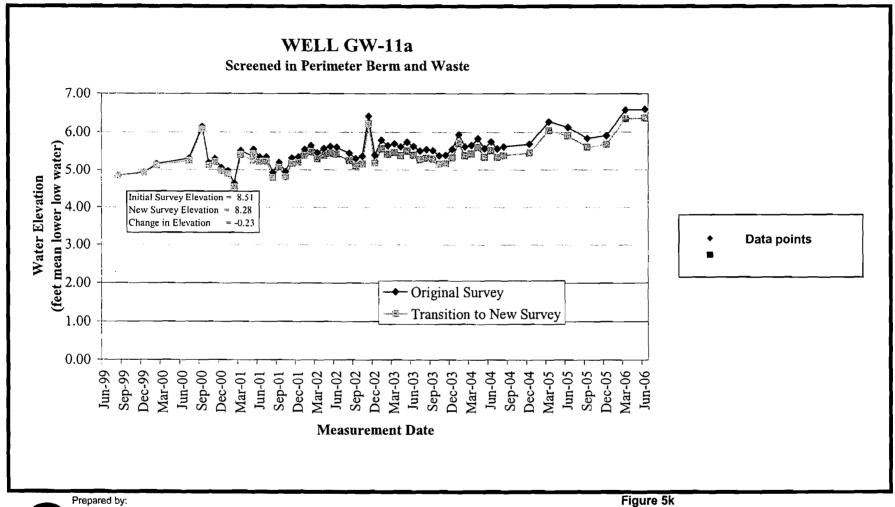
Engineering & Environmental Services

TERRA engineers, inc.

Hydrograph for Well GW-9a

2006 Semi-Annual Monitoring Report Oyster Point Landfill

650.002.01.020	2006 Semi-Annual Report Hydrographs.xls	PDG	Jul-06
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE





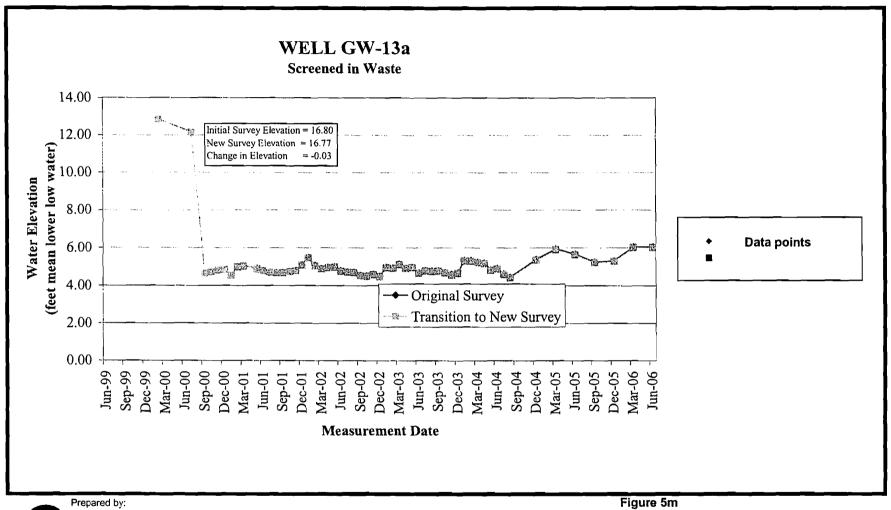
Engineering & Environmental Services

For:

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Hydrograph for Well GW-11a
2006 Semi-Annual Monitoring Report
Oyster Point Landfill

650.002.01.020	2006 Semi-Annual Report Hydrographs.xis	PDG	Jul-06
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE





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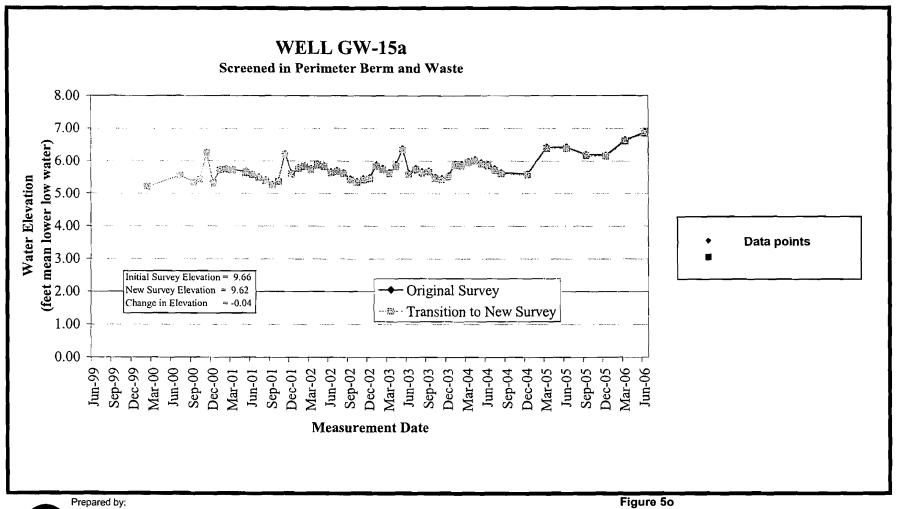
For:

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Hydrograph for Well GW-13a

2006 Semi-Annual Monitoring Report Oyster Point Landfill

650.002.01.020	2006 Semi-Annual Report Hydrographs.xls	PDG	Jul-06
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE





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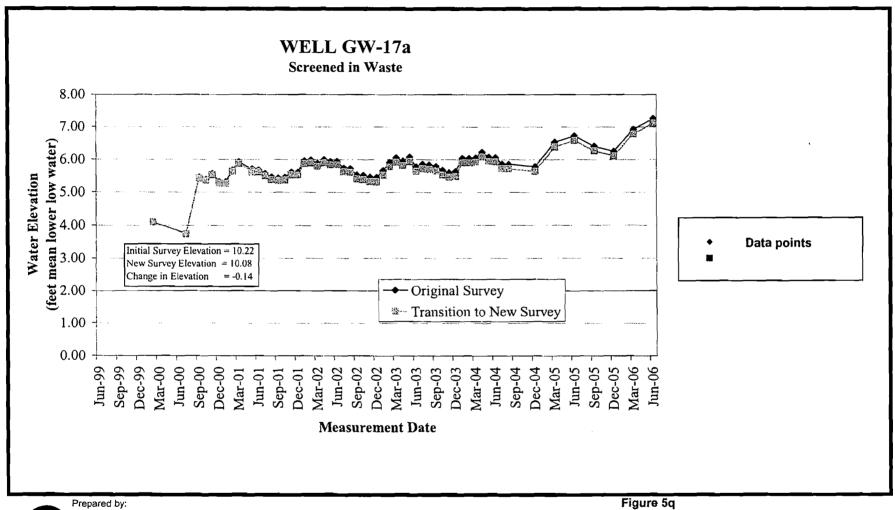
For:

TERRA engineers, inc.

Hydrograph for Well GW-15a

2006 Semi-Annual Monitoring Report Oyster Point Landfill

650.002.01.020	2006 Semi-Annual Report Hydrographs.xls	PDG	Jul-06
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE





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For:

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Hydrograph for Well GW-17a

2006 Semi-Annual Monitoring Report Oyster Point Landfill

650.002.01.020	2006 Semi-Annual Report Hydrographs.xls	PDG	Jul-06
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE

July	12,	2006
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# Appendix A

Field Sampling Forms and Laboratory Analytical Data Sheets

### WLLL MONITORING DATA SHEL.

Project #:	0606	18-EM	(	Client: Pt	5	
Sampler:	Swood	h		)	128/04	
Well I.D.: MW-28			Well Diameter		6· ′8	
Total Well	Depth (TD	):  2	9.50	Depth to Water	r (DTW): 1년 년	<b>48</b>
Depth to Fr	ee Product	:		Thickness of F	ree Product (fee	et)(
Referenced	to:	PVC	Grade	D.O. Meter (if	req'd):	YSI HACH
DTW with	80% Rech	arge [(H	leight of Water	Column x 0.20	) + DTW]:	•
Purge Method:	Bailer Disposable Bar Positive Air I Electric Subm	Displaceme		Waterra Peristaltic etion Pump	Sampling Method: Other:	Bailer Disposable Bailer Extraction Port Dedicated Tubing
- Pun	e 4.5°	you		Well Diamets	m Multiplier Well I	Piameter Multiplier 0.65
l Case Volume	Gals.) X	3 fied Volum	nes Calculated Vo	_Gals.	0.16 6" 0.37 Other	1.47
Time	Temp	рН	Cond. (mS or IS)	Turbidity (NTUs)	Gals. Removed	Observations
856	68-7	65	18,980	85	18	which
900	68.3	6-6	18,940	₫°0	36	deoren
904	68.2	6.6	18,550	19	gr4	r(
pump doc		•		besible obstu		in Casing.
Did well de	water?	Yes (	No ')	Gallons actuall	y evacuated:	54
Sampling D	ate: 6/28	104	Sampling Time	e: 908	Depth to Wate	r: 18.05
Sample I.D.	: jun	28		Laboratory:	Kiff CalScience	Other CHT
Analyzed fo	or: TPH-G	втех	MTBE TPH-D	Oxygenates (5)	Other: Soc	), Sow
EB I.D. (if a	applicable)	: EB-	@ Time 835	Duplicate I.D.	(if applicable):	
Analyzed fo	r: TPH-G	BTEX	MTBE TPH-D	Oxygenates (5)	Other:	
D.O. (if reg	d): Pr	c-purge:		<sup>mg</sup> /ℓ P	ost-purge:	<sup>nng</sup> / <sub>1,</sub>
O.R.P. (if re	eq'd): Pr	e-purge:		mV P	ost-purge:	mV

Blaine Tech Services, Inc. 1680 Rogers Ave., San Jose, CA 95112 (800) 545-7558 MW-14 - 35-02 TO 10.70 DTN

## WL\_L MONITORING DATA SHEL.

Project #: 060625cm(			Client: PES -					
Sampler:	E More			Date: 6-28-06				
Well I.D.: GW5a			Well D	iameter:	<b>2</b> 3	4	6 8	
Total Well	Depth (TD	): 19	98	Depth	to Water	(DTW): 1	٠,٠	73
Depth to Fr	ee Product	•		1		ree Product		
Referenced	to:	PVC)	Grade	D.O. M	leter (if	req'd):		YSI HACH
DTW with	80% Recha	arge [(H	leight of Water	Colum	1 x 0.20)	+ DTW]:	7.9	yy
Purge Method:	Bailer Disposable Ba Positive Air I Electric Subm	Displaceme	nt Extrac Other	Waterra Peristaltic tion Pump	Well Diamete		ther:	Bailer  Disposable Bailer Extraction Port Dedicated Tubing
1 Case Volume	Gals.) X Speci	3 fied Volum	= 7.2 nes Calculated Vo	Gals.	1 <sup>m</sup> 2" 3"	0,04 0.16	4" 6" Other	0.65 1.47 radius <sup>2</sup> + 0.163
Time	Temp (Por °C)	pН	Cond. (mS o(µS)	l	bidity ΓUs)	Gals. Remo	ved	Observations
1210	622	6.5	8851	1	13	2.4		
1217	61.6	6.4	8893	, E	38	48		
1225	615	65	8783		7/	7,2		
Did well de	water?	Yes (	No	Gallon	s actuall	y evacuated	: ~	7.2
Sampling D	ate: 6-28	70G	Sampling Time	:/22	5_	Depth to W	atei	: 6.88
Sample I.D.				Labora		Kiff CalSci	ence	Other C +T
Analyzed fo	от: трн-о	втех	МТВЕ ТРН-D	Oxygen	ates (5)	Other:		
EB I.D. (if a	applicable)	•	@ Time	Duplic	ate I.D. (	(if applicabl	e):	
Analyzed fo	or: TPH-G	BTEX	MTBE TPH-D	Oxygen		Other:		
D.O. (if req	'd): Pr	e-purge:		mg/L	P	ost-purge:		mg/ <sub>[.</sub>
O.R.P. (if re	ea'd): Pr	e-purge:		mV	P	ost-purge:		mV

### W\_\_L MONITORING DATA SHEL.

Project #: 060628am	Client: PES -				
Sampler: E. Morse	Date: 6-2	80-06			
Well I.D.: GWZa		Well Diameter 2 3 4 6 8			
Total Well Depth (TD): 13.35	Depth to Wate	r (DTW):	4.20		
Depth to Free Product:	Thickness of F	ree Product (fee	et):		
Referenced to: PVO Grade	D.O. Meter (if	req'd):	YSI HACH		
DTW with 80% Recharge [(Height of Water	r Column x 0.20	) + DTW]: 6.	03		
<del>-</del>	Waterra Peristaltic action Pump	Sampling Method: Other:	Bailer  Disposable Bailer  Extraction Port  Dedicated Tubing		
1 Case Volume   Calculated V	Gals.  Glume  Well Diameter  1* 2" 3"	er <u>Multiplier</u> Well I 0.04 4" 0.16 6" 0.37 Other	Districts: Multiplier		
Temp Time (For °C) pH (ms of \$5)	Turbidity (NTUs)	Gals, Removed	Observations		
1017 64.7 6.2 13.8	>1080	3.0			
1023 647 63 14.1	>1000	4.5			
Did well dewater? Yes No	Gallons actual	ly evacuated: 4	1.5		
Sampling Date: 6-28-06 Sampling Tim	1e:/025	Depth to Wate	r: 4,54		
Sample I.D.: Gw-70	Laboratory:	Kiff CalScience	e Other C+		
Analyzed for: TPH-G BTEX MTBE TPH-D	Oxygenates (5)	Other:			
EB I.D. (if applicable): @	Duplicate I.D.	(if applicable):			
Analyzed for: TPH-G BTEX MTBE TPH-D	Oxygenates (5)	Other:			
D.O. (if req'd): Pre-purge:	<sup>mg</sup> /L F	Post-purge:	n <sup>8</sup> /L		
O.R.P. (if req'd): Pre-purge:	mV F	Post-purge:	mV		

### WL\_L MONITORING DATA SHEL.

Project #: 0606256 em1	Client: PES	Client: PES _				
Sampler: E Marse	Date: 6-2	800				
Well I.D.: 6W-14a	Well Diameter	Well Diameter 3 4 6 8				
Total Well Depth (TD): \\77	Depth to Wate	r (DTW): 33	SE			
Depth to Free Product:	Thickness of F	ree Product (fee	et):			
Referenced to: Grade	D.O. Meter (if	req'd):	YSI HACH			
DTW with 80% Recharge [(Height of Wate	er Column x 0.20	) + DTW]: 5,0	)6			
Purge Method: Bailer Disposable Bailer Positive Air Displacement Extr	Waterra Peristaltic raction Pump	Sampling Method: Other:	Bailer Disposable Bailer Extraction Port Dedicated Tubing			
1 Case Volume Specified Volumes Culculated	Gals. Volume  Well Diamet 1" 2" 3"	er Multiplier Well I 0.04 4" 0.16 6" 0.37 Other	0.65 1.47			
Temp Condo	Turbidity (NTUs)	Gals. Removed	Observations			
1038 62.4 6.9 16.1	84	1.3				
1042 61.0 6.7 16.5	112	2.6	774			
1046 60.8 6.6 16.76	167	4.0	_			
Did well dewater? Yes No	Gallons actual	ly evacuated:	40			
Sampling Date: 6-28-06 Sampling Ti	me: 1050	Depth to Wate	r: 4,50			
Sample I.D.: GW-14~	Laboratory:	Kiff CalScience	Other C+ T			
Analyzed for: трн-д втех мтве трн-д	Oxygenates (5)	Other:				
EB I.D. (if applicable):	Duplicate I.D.	(if applicable):				
Analyzed for: трн-G втех мтве трн-D		Other:				
D.O. (if req'd): Pre-purge:	mg/L F	Post-purge:	mg/L			
O.R.P. (if req'd): Pre-purge:	mV I	Post-purge:	mV			

## WL\_L MONITORING DATA SHEL.

Project #: 0606 28 em/ Sampler: F. Morse				Client: PES					
Sampler:	E Mos	120	,	Date:		L8~0	-G_		
Well I.D.:				Well I	Well Diameter: 72 3 4 6 8				
Total Well Depth (TD): 9.20			Depth	to Water	r (DTW):	3.7	38		
Depth to Free Product:				Thickr	ness of F	ree Produ	ct (fee	et):	
Referenced	D.O. N	Meter (if	req'd):		YSI HACH				
DTW with	80% Rech	arge [(H	leight of Water	Colum	n x 0.20)	) + DTW]	1:45	54	
- Purge Method:	Bailer Disposable Bar Positive Air I Electric Subm	Displaceme	ent Extrac Other	Waterra Peristaltic ction Pump	•	Sampling	Other:	Bailer  Disposable Bailer  Extraction Port  Dedicated Tubing  Diameter Multiplier	
O 1 9 (0 1 Case Volume	Gals.) X Speci	3 ified Volum	nes Calculated Vo	Gals.	1" 2" 3"	0.04 0.16 0.37	4" 6" Other	0.65 1.47	
Time	Temp (°F) or °C)	рН	Cond Cond Cond Cond Cond Cond Cond Cond	ı	bidity TUs)	Gals. Rer	noved	Observations	
1058		6.7	24.8	\ <u>\gamma</u> '	44	1.0			
1102	61.8	6.5	300	1-2/0	<u> 100</u>	2.0	<u> </u>		
1104	62.1	6.6	29.4	2/0	w	3.0			
Did well de	water?	Yes	Ng	Gallon	s actuall	ly evacuat	ted:	3.0	
Sampling D	vate:6-28	-06_	Sampling Tim	ie: //C	25	Depth to	Water	r: 4,47	
Sample I.D.				Labora	itory:	Kiff Cal	Science	Other C+7	
Analyzed fo		втех	MTBE TPH-D	Oxygen	ates (5)	Other:			
EB I.D. (if a	applicable)	<del></del> ):	@ Time	Duplicate I.D. (if applicable):					
Analyzed fo	or: TPH-G	BTEX	MTBE TPH-D	Oxygen		Other:			
D.O. (if req	'd): P1	re-purge:		mg/L	P	Post-purge:		mg/[.	
O.R.P. (if re	eq'd): Pi	re-purge:		mV	P	ost-purge:		mV	

Blaine Tech Services, Inc. 1680 Rogers Ave., San Jose, CA 95112 (800) 545-7558

BLAINE		680 ROGERS AVENU ALIFORNIA 95112-110			CON	DUCT A	NALYSIS	TO DE	TECT	LAB ALL ANALYSES MUST	Curtis & Tom	pkins	DHS#
TECH SERVICES, INC.		FAX (408) 573-777 PHONE (408) 573-055	1							LIMITS SET BY CALIF	ORNIA DHS AND	)	
CHAIN OF			.	(09						☐ EPA☐ LIA☐ OTHER	L	] RWQCB REG	GION
CLIENT	15#06D	528em1	CONTAINERS	enzone, (EPA 82						SPECIAL INSTRUCTION	ONS	<u> </u>	
SITE Oyster Poir	nt Landfill		CONT	Chlorob						Invoice and Repo	ort to: PES		
South San	Francisco, Ca	Α	E ALL	otal X						Attn: Alan Anse	lmo		
	MATRIX 5 0.	CONTAINERS	C = COMPOSITE ALL	Benzene, Ethylbenzene, Chlorobenzone, Naphrhulene and Total Xylenes (EPA 8260)				1		All sample conta	ainers are U	NPRESER	<b>(VED</b>
		TOTAL	CE							ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE.
TopBlack 6280 =	35 W	3		X	ļ								
JopBlank 628d -	- W	2		<u> </u>					-				
					ļ				<u> </u>				
					}				++-			-	<u></u>
			_		<del> </del>	-			<del>                                     </del>				
				1				-	+				
			-	<u> </u>	<del> </del>				1			<u> </u>	
			-	<u> </u>	-			<del>                                     </del>	1				
								<del>                                     </del>	<b>†</b>				
1	TIME SAMPLIN	MED BY E. M.		je.	.f.,	.l				RESULTS NEEDED NO LATER THAN	As Contracte	d	
RELEASED BY			52	8.6	7G	TIME /S	00	-	EIVED BY	- Hugh	CATCHE	DATE / ZALO	TIME SOO
RELEASED BY			DAT	29/0	7	TIME / S	40	T.	EIVED BY	a_	E	6/29/04	134
RELEASED BY			TAG	ΕŹ		TIME		REC	EIVED BY			DATE	TIME
SHIPPED VIA			DAT	E SEI	NT	TIME	SENT	co	OLER#				

95 2 of 2

### WELL GAUGING DATA

Project	# <i>060</i>	628en	<u> </u>	Date 6-	28-06	Cl	ient <u>PES</u>		
Site <u>0</u>	yster	Point	Lord.	ful		A Table			
_								Zali	L
Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	í	Depth to well bottom (ft.)	Survey	
MW-5	2					16.92	20.92		
* BW	17A -	under	Press	a wer	- cap	remove	l. cascad	of for	£ 950c
		Let St	for sto	bilizati	in be	are as	wan		
	ļ						0		

Blaine Tech Services, Inc. 1680 Rogers Ave., San Jose, CA 95112 (408) 573-0555

4155667026 03/12/2006 20:56

#### Oyster Point Groundwater and Leachate Monitoring City of South San Francisco

Page 2

Names:

AT ATKINSON

Date:

Weather: Cla Cold

				Time	Time	Depth to	
Well ID	The second second	Constru		opened	Measured	Water	Comments
	Unit	Ref Pt Elev	Depth (ft)	HM	buy	pet	
Range: 16 to	wat w/cl 18 ft. brp	22.45 22.44	20	10:25	1:53	15,46	
Range; 2 to 4	berm 1 ft. brp	8.91 8.71	16	9:50	N.20	2.07'	cop needs to be upland.
Range: 4 to 6	berm 5 ft. brp	12.34 11.93	34.5	9:35	11:06	4.33'	missing but
GW-6a Range: 6 to 9	berm w/w att. brp	13.27 12.93	25	10:40	12.15	6.60°	
GW-18s Range: 3 to 5	berm ift. brp	9.35 9.26	19.5	10:07	11:36	3,00	
GW-2b Range: 9 to 1	sand 4 ft. brp	17.86 17.31	140	10:00	11:30	10.30	
GW-7a Range: 4 to 6	伽 ft. brp	10.45 10.42	16	8:40	8:43	4.091	
GW-8c Range: 33 to	bedrock 40 ft. brp	58.66 58.65	50	8:53	9:09	26.76	Water buil comp up
GW-9a Range: 22 - 2	clay 26 ft. brp	36.5 35.47	26	9:03	9,05	23.34	

#### Oyster Point Groundwater and Leachate Monitoring City of South San Francisco

Page 2

Names: Al Attinson Eilen Fanelli

Date: 6/11/06 Weather: Overcant

						1ide	out comingin
Well ID	Wall	C	-41	Time	Time	Depth to	
Well ID	Unit	Constru- Ref Pt Elev	Depth (ft)	opened A M	Measured  A M	Water	Comments
MW-5 R≝nge: 16 to	wst w/cl 18 ft. brp	22.45 22.44	20	101.04	11:.37	15.80	Plastichal russing
GW-4a Range: 2 to 4	berm ft. brp	8.91 8.71	16	a:35	10:56	3,09; \$15F	will is needs to be uplaced.
GW-5a Range: 4 to i	berm 8 ft. brp	12.34 11.93	34.5	9',30	10.42	4.57.5	
GW-6a Range: 6 to t	berm w/w e ft. brp	13.27 12.93	25	10,22	12:00	6.60	joaned. snells
GW-16a Range: 3 to	berm 5 ft. brp	9.35 9.26	19.5	4.52	11:19	3.06	
GW-2b Range: 9 to	sand 14 ft. brp	17.66 17.31	140	9:40	11:07	12.25	Dignificant - 1-2" rettlerest en top of well
GW-7a Range: 4 to (	fill 3 ft. brp	10.45 10.42	-	4:05	9.08	4,29	wheleap needs to ke replaced
GW-8c Range: 33 to		58.66 58.65		8:35	8755 3:55	32.32	after well opened
GW-9a Range: 22 - :	clay 26 ft. brp	36.5 36.47		<sub>8'.</sub> પડ	7:47	24,06	



	Purgeable C	<b>Vis</b>	
Lab #: Client: Project#:	197781 PES Environmental, Inc. STANDARD	Location: Prep: Analysis:	Oyster Point Landfill FPA 50305 EPA 82605
Matrix: Units: Diln Fac: Batch#:	Water 0g/L 1.000 114874	Sampled: Received: Analyzed:	06/28/06 06/29/06 06/30/06

Field ID: Type:

GW-SA SAMPLE

Lab ID: 187781-004

Analyte	Result	RL.	
Benzene	60	0.5	
Chlorobenzene	34	0.5	
Ethylbenzene	37	0.5	
	6.1	0.5	
m,p-Xylenes   o-Xylene	2.4	0.5	
Naphthalene	14	5.0	_

Surrogate	%REC	Limits		The second of th
1,2-Dichloroethane-d4	103	80-130	 	
Toluene-d8	105	90-120		
Bromofluorobenzenc	100	80-122		 

Field ID: GW-7A Type: SAMPLE

Lab ID: 187781-005

Analyte	Result	RL	
Benzene	ND	0.5	
Chlorobenzene	ND	0.5	
Ethylbanzena	ЯD	0.5	
m,p-Xylenes	NO CH	0.5	
o-Xylene	ND	0.5	
Naphthalene	<u> </u>	<u> </u>	

Surrogate	%REC	Limits	
1,2-Dichloroethane-d4	103	80-130	
Toluene-d8	103	80-120	
Bromofluorobenzene	105	<u>80-122</u>	

Field ID: GW-11A Type: SAMPLE

Lab ID: 187781-006

Analyte	Result	RL	
Benzene	1.2	0.5	
Chlorobenzene	42	0.5	
Hithylbennene	ND	0.5	
m,p-Kylenes	141.)	6.5	
o-Xviene	0.8	0.5	
Naphthalene	7.2	5.0	

Surrogate	%REC	Limits
1,2-Dichloreethane-d4	199	20-130
Tolushe-d8	1:14	80-100
Bromotlucrobenzone	F00	80-122

HDs Rot Detected RGs Reporting Limit Back at 4



	Purgeable	Organics by GC/MS		
Lab #: Client: Project#:	187781 PES Edylronmental, Inc. STANDARD	Location: Prep: Analysis:	Oyster Point EPA 5030B EPA 8260B	Landfill
Matriz: Units: Diin Fac: Batch#:	Water ug/L 1.000 114874	Sampled: Received: Analyzed:	06 <b>/28/06</b> 06/29/06 06/30/06	

Freld 10: EE-1 Type: SAMPLE Type:

Lab ID: 187781-010

Analyte	Result	RL .
Benzone	ND	0.5
Chlor@benzene	CK	0.5
Ethythenzene	NE)	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Naphthalene	ОИ	

Surrogate	%REC	Limits	18 44 P. 19 19
1,2-Dichloroethane-d4	106	80-130	
Toluene-d3	106	80-120	ľ
Bromofluorobenzene_	<u>101</u>	80-122	

Field ID: TRIP PLANK Type: SAMPLE

Lab 1D: 187781-011

Analyte	Result	RL	
Benzene	ND	0.5	
Colorobenzene	ND	0.5	
Ethylbensone	ND	0.5	
m,p-Xylones	ND	0.5	
lo-Xyiene	N	0.5	
Nachthalene	ND	5.0	

Surrogate	%REC	Limits	
1,2-Pachleroethane-d4	105	80-130	
Toluene-d8	105	80-120	
Bromoflubrobenzene	104	8 <u>0-122</u>	

Type:

PLANK

Lab 19: QC345812

Analyte	Result	RL	
Benzene	ND	0.5	
Chlorobenzene	MD	0.5	
Fithy?benzene	NO	0.5	
m, phYvienes	M (2)	0.1	
Kylono	MD	0.5	
Naphthalene	ND		

Surrogate	%REC	Limits
1,2-Dichlorosthane-d4	105	80-130
Tolmens-d8	105	80-120
Bromofluorobenzenc	103	80-122

HD Not Expected EL Reporting Limit contents

Appendix B

**Historical Water Quality Analytical Data** 

ifile Organic Compounds Report

ein 16

VN	Wil		Val		VAI	0:55	- VNI	V.,	V.V.
	AN	AN	VN	AN	ΑN	0.2>	VN	AN	AN
AN	AN	VN	ΨN	VN.	AN	0.2>	AN	₩	VN
AN	AV	AN	AM	AM	VN	0.2>	AN	AM	AN
AN	VN	AN	VN	VN	VN.	0.2>	VN	∀N,	VN
2.0>	5.0>	2.0>	2.0>	2.0>	2,0>	0.2>	5.0>	2.0>	2.0>
č.0>	2.0>	2.0>	2.0>	2.0>	2.0>	0.5>	5.0>	č.0>	2.0>
2.0>	\$.0>	2.0>	\$.0>	6.0>	\$.0>	0.2>	\$.0>	2.0>	\$.0>
2.0>	8.0>	2.0>	\$.0>	5.0>	\$.0>	0.2>	\$.0>	2.0>	2.0>
0.2>	0.2>	0.2>	0.2>	0.2>	0.2>	0.2>	0.2>	0.8>	0.2>
0.2>	0.2>	0.2>	0,2>	0.8>	0.2>	0.8>	0.2>	0.2>	0.2>
0.2>	0.2>	0.2>	0.2>	0.2>	0.2>	0.2>	0.2>	0.2>	0.5>
0.2>	0.2>	0.2>	0.2>	0.2>	0.2>	0.8>	0.2>	0.2>	().2>
2.0>	2.0>	2.0>	ξ.0>	2.0>	δ.0>	0.2>	¿.0>	≥.0>	2.0>
0.2>	0.2>	0.2>	0.2>	0.2>	0.2>	0.2>	0.2>	0.2>	0.2>
0.2>	0.2>	0.2>	0.2>	0.2>	0.2>	0.2>	0.2>	0.8>	0.2>
0.2>	0.2>	0.8>	0.2>	0,2>	0.2>	0,2>	0.2>	0.2>	0.2>
005.0>		005.0>	002.0>	002.0>	005.0>	00.1>	002.0>	005.0>	005.0>
002.0>	J.	002.0>	002.0>	002.0>	002.0>	<1.00	002.0>	002.0>	002.0>
008.0>		002.0>	005.0>	005.0>	002.0>	00.1>	002.0>	002.0>	002.0>
008.0>		002.0>	002.0>	0.02.0>	002.0>	00.1>	002.0>	002.0>	002.0>
002.0>	> 005.0>	005.0>	002.0>	005.0>	002.0>	00.1>	002.0>	002.0>	002.0>
٧N	∀N	ΑN	VN	VN	VN	140	ΑN	\ \vert \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	٧N
\ \\	VN	AN	٧N	٧N	VN	140	AN	AN	∀N.
0.2>	0.2>	0.2>	10	0.2>	4.8	140	71	0.8>	0.2>
1.8>	1.٤>	1.5>	9.6	1.٤>	F.E	130	71	1.5>	8.5
9٤>	9٤>	9٤>	9٤>	9£>	9٤>	140	9٤>	9£>	9٤>
9٤>	9£>	98>	9٤>	9٤>	9٤>	66	9٤>	9£>	9٤>
1٤>	15>	15>	1٤>	15>	16>	08	1٤>	16>	18>
15>	15>	1٤>	15>	18>	16>	001	1٤>	1٤>	1£>
04>	0t>	04>	04>	04>	L'9t	133	0t>	07>	0t>
0.02>		0.02>	0.02>	0.02>	0.08>	134	0.02>	0.02>	0.02>
0.08>		0.02>	0.02>	0.02>	0.02>	001>	0.02>	0.02>	0.02>
5.62	0.02>	<20.0	0.02>	<20.0	7.24	130	0.05>	0.02>	0.02>
0t>	04>	07>	04>	04>	07>	423	0 <b>t</b> >	04>	0.04>
							]		ļ
∀N.	٧N	AW	ΑN	٧N	AN	0.2>	٧N	∀N	VN.
VN.	∀N	ΑN	٧N	) YN	ΑΝ	0.2>	<b>∀</b> %	ΑN	٧N
VN	٧N	ΑN	AM	∀N	∀N	<0.2>	V. ∀V.	VN	VN
٧N	٧N	∀N	ΑN	∀N	∀N	0.2>	٧N	VN	٧N
2.0>	5.0>	2.0>	§.0>	¿.0>	S.0>	0.5>	¿.0>	2.0>	2.0>
2.0>	§:0>	S.0>	2.0>	2.0>	S.0>	0.2>	č.0>	2.0>	£.0>
2.0>	§.0>	2.0>	€.0>	§.0>	2.0>	0.2>	₹.0>	2.0>	≥.0>
¿.0>	£.0>	§.0>	2.0>	2.0>	\$.0>	0.2>	£.0>	§.0>	§.0>
0.2>	0.2>	0.8>	0.2>	0.2>	0.2>	0.2>	0.2>	0.2>	0.2>
0.2>	0.2>	0.2>	0.2>	0.2>	0.8>	0.2>	0.2>	0.2>	0.2>
0.2>	0.2>	0.2>	0.8>	0.2>	0.2>	0.2>	0.2>	0.2>	0.2>
0.2>	0.2>	0.2>	0.2>	0.2>	0.8>	0.2>	0.2>	0.2>	0.2>
2.0>		\$.0>	5.0>	2.0>	2.0>	<5.0	§.0>	S.0>	§∵0>
0.2>	0.2>	0.2>	0.2>	0.2>	0.2>	0.2>	0.8>	0.2>	0.2>
0.2>	0.2>	0.2>	0.2>	0.2>	0.2>	0.8>	0.2>	0.2>	0.8>
0.2>	0.2>	0.2>	0.2>	0.č>	0.2>	0.8>	0.2>	0.2>	0.₹>
002.0>	,	005.0>	002.0>	005.0>	002.0>	00.1>	027.0	005.0>	002.0>
002.0>	002.0>	005.0>	002.0>	005.0>	002.0>	00.1>	002.0>	002.0>	002.0>
005.0>	005.0>	005.0>	002.0>	005.0>	005.0>	00.1>	017.0	<0.500	002.0>
002.0>	005.0>	005.0>	002.0>	005.0>	002.0>	00.1>	Z0.I	005.0>	002.0>
005.0>	002.0>	24.9	002.0>	002.0>	002.0>	00.1>	005.0>	005.0>	002.0>
	UK:	74:	War	WG	VN	04	Val	VA1	٧N
∀N	VN VN	VN	VN VN	AV	,	96	VN VAI	VN	
AN	VN	VN	AN	٧N	VN 07	\$ <i>L</i>	VN 67	VN 77	VN
2.0>	2.0>	S.U>	6.8	0.4	07	06	£7	7.1	1.2
\$.0>	\$.0>	2.0>	6.5	8.6	77	08	77	2.1	1.2
0.65	0.5>	0.6>	6.8	0.2>	07	€6	77	0.6>	0.6>
0.2:	0.2>	0.2>	9.9	0.2>	07	r8	17	0.6>	0.6>
0.6>	0.2>	0.6>	0.8>	0.6>	07	£2.	9	0.6>	0.6>
0.2>	0, \$>	0.8>	1.2	0.2>	61	89	16	0.6>	0.8>
0.01>	0.01>	<10.0	0.01>	0.01>	5.6.9	0.88	57	<10.01>	<10.0
<10.0	<10.0	0.01>	0.01>	0.01>	14.8	0.02	01>	0.01>	0.01>
		0.01>	0.01>	<10.0	7.02	<b>\$</b> .99	₹.02	0.01>	0.01>
0.01>	0.01>	J		ſ					
0.01>	0.01>	<10.0	0.01>	0.01>	<10.0	5.29	0.01>	0.01>	0.01>
J	j.	J		01> 0.01>	<10 <0.01>	5. <u>2</u> 9	4. <u>5</u> £ 0.01>	0.01>	0.01>
0.01>	0.01>	0°01> <10	0.01>	01>	01>	LL	4.25	<10	0.01>
(J\gq) 0.01> 0.01>	0.01>	(1/2il) <10 <10.0	(Л\gн) 01> 0.0(>	(.Л\व्रम्) 01>	(,1\gµ) 01>	(J\g4) 77		( <u>J\g</u> uj) 01>	

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1	,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene		• •	Sec-Butylhenzene			Tert-Butylbenzene	
	(μg/ <b>L</b> .)	(μg/L)	(μg/L)	(μg/L)	(µg/L)	(μg/l.)	(µg/L)	(μg/L)	(μg/L)	(μg/L)
					.0.500	.0.500	-0.500	<b>*0.500</b>	<0.500	-0.500
	<0.500	<0.500	<0.500	<1.00	<0.500	< 0.500	<0.500	< 0.500	<0.500 <0.500	<0.500 <0.500
	<0.500	<0.500	< 0.500	<1.00	<0.500	<0.500	<0.500	< 0.500		
	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
	<0.500	<0.500	< 0.500	<1.00	<0.500	<0.500	<0.500	< 0.500	< 0.500	<0.500
	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	<0.5	<0.5	< 0.5	<2.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	< 5.0	<5.0	<5.0	<5.0
	<0.5	<0.5	<0.5	<2.0	< 0.5	< 0.5	< 0.5	<0.5	<0.5	<0.5
	< 0.5	<0.5	<0.5	<2.0	< 0.5	< 0.5	<0.5	<0.5	<0.5	<0.5
	< 0.5	<0.5	<0.5	<2.0	<0.5	<0.5	< 0.5	<0.5	<0.5	< 0.5
	< 0.5	<0.5	<0.5	<2.0	< 0.5	<0.5	<0.5	<0.5	< 0.5	<0.5
	NA	NA	NΑ	<5.0	NA	NΛ	NΑ	NA	NA	NA
	NA	ΝA	NA	<2.0	NA	NA	NΛ	NA	NA	NA
	NA NA	NA	NA	<5.0	NA	NA	NΑ	NA	NA	NA
	NA	NA	NA	<5.0	NA	NΛ	NA	NA	NA	NA
	<1.00	<1.00	3.94	79.4	3.00	<1.00	<1.00	<1.00	<1.00	<1.00
	<0.500	<0.500	3.59	48.2	3.73	<0.500	<0.500	<0.500	<0.500	< 0.500
	<5.00	<5.00	<5.00	42.8	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
	<1.00	<1.00	<1.00	45.7	2.46	<1.00	<1.00	<1.00	<1.00	<1.00
	<5.00	<5.00	5.55	32	6.56	<5.00	<5.00	<5.00	<5.00	<5.00
	<5.0	<5.0	<5.0	29	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	<5.0	<5.0	<5.0	32	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	<5.0	<5.0	<5.0	18	<5.0	<5.0	<5.0	<5.0	< 5.0	<5.0
	<5.0	<5.0	<5.0	17	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	<5.0	<5.0	<5.0	25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	<0.5	<0.5	4.1	14	4.0	0.7	<0.5	<0.5	<0.5	<0.5
				9.2	5.3	0.5	0.7	<0.5	<0.5	<0.5
	<0.5	<0.5	4.6				NA	NA	NA NA	NA
	NA NA	NA	NA	6.6	NA NA	NA NA	NA NA	NA NA	NA NA	NA
	NA	NA	NA	18	NA NA					NA NA
	N.A	NΛ	NA	5.3	NA NA	NA NA	NA	NΛ	NA	
	NA	NA	NA	14	NA	NA	NA	NA	NA	NΛ
	<0.500	<0.500	<0.500	<1.00	< 0.500	<0.500	<0.500	<0.500	<0.500	< 0.500
	<0.500	<0.500	<0.500	<1.00	< 0.500	<0.500	<0.500	<0.500	<0.500	<0.500
	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
			<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	< 0.500	<0.500
	<0.500	<0.500				<0.500	<0.500	<0.500	<0.500	<0.500
	<0.500	<0.500	<0.500	<1.00	<0.500					
	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	NΑ	NA	NΑ	<5.0	NA	NA	NA	NA	NA	NA
	NA	NA	NΑ	<2.0	NA	NA	NA	NA	NA	NA
	NA	NA	NA	<5.0	NA	NA	NΛ	NA	NA	NA
	NA	NA	NA	<5.0	NA	NA	NA	NA	NA	NA
					40.55.	-0.500	40 -00	e0 coo	-0.000	.0 500
	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	< 0.500	< 0.500
	< 0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
	< 0.500	< 0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	< 0.500
	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	< 5.0	<5.0	<5.0	<5.0
	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	NU.J	~0.5	-V.J	1 -4.0	-0.5	-5.5	.5.5	-0.5	-0.5	1 -0.5

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luene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Naphthalene	N-Propylbenzene	Sec-Butylbenzene	N-Butylbenzene	Chloroform	Tert-Butylbenzene	2-Chlorotoluene
	(μg/L)	(µg/L)	(μg/L)	(μg/L.)	(μg/L)	(μg/ <b>L</b> )	(μg/L)	(μg/L)	(μg/l.)	(μg/L)
	477	<1.00	£ 10	<2.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	4.76	<1.00 <1.00	5.18 19.4	<2.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	15.2 8.99	<5.00	18.3	<10.0	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
ł	8.71	<1.00	37.6	<.2.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	9.5	<5.0	19	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	6.7	0.7	31	<2.0	<0.5	0.9	<0.5	<0.5	<0.5	<0.5
	0.7	0.7	51	2.00	10.5	0.7	-17.5	-0.5	-0.5	
	2.7	1.02	5.56	<2.0	6.66	1.56	1.16	<1.00	<1.00	<1.00
	<20.0	<20.0	<20.0	2790	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0
	<50.0	<50.0	<50.0	2000	< 50.0	<50.0	<50.0	<50.0	<50.0	<50.0
J	<50.0	<50.0	<50.0	3370	<50.0	<.50.0	<50.0	<50.0	<50.0	<50.0
	<40.0	<40.0	<40.0	4690	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
	<5.0	<5.0	5.8	1400	7.7	<5.0	<5.0	<5.0	<5.0	<5.0
	< 50	<50	<50	1200	<50	<50	<50	<50	<50	<50
	<50	<50	<50	1300	<50	<50	<50	<50	<50	<50
	<36	<36	<36	480	<36	<36	<36	<36	<36	<36
Ì	<2.5	<2.5	5.8	680	8.9	<2.5	<2.5	<2.5	<2.5	<2.5
	<2.5	<2.5	6.4	470	6.7	<2.5	<2.5	<2.5	<2.5	<2.5
ĺ	NA	NA	NA	780 <sup>(1)</sup>	NA	NA	NA	NΑ	NA	NA
	NA	NA	NA	1100	NA (	NΑ	NA	NA	NA	NA
									.	
	0.50	<0.500	3.67	143	1.77	0.57	1.0	<0.500	<0.500	<0.500
	<0.500	<0.500	2.97	8.39	2.33	0.790	0.800	<0.500	<0.500	<0.500
	<0.500	<0.500	2.95	4.53	1.98	0.750	0.680	<0.500	<0.500	<0.500
	<0.500	<0.500	2.66	5.96	1.95	<0.500	0.67	<0.500	<0.500	<0.500
	<0.500	<0.500	3.1	4.63	2.54	0.76	0.86	<0.500	<0.500	<0.500
	<5.0	<5.0 <5.0	<5.0 <5.0	<5.0 <5.0	<5.0 <5.0	<5.0 <5.0	<5.0 <5.0	<5.0 <5.0	<5.0 <5.0	<5.0 <5.0
- 1	<5.0 <5.0	<5.0 <5.0	<5.0 <5.0	<5.0	<5.0	<5.0 <5.0	<5.0 <5.0	<5.0 <5.0	<5.0	<5.0
	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0 <5.0	<5.0	<5.0	<5.0	<5.0
	<0.5	<0.5	2.7	<2.0	2.2	1.2	1.7	<0.5	<0.5	<0.5
	<0.5	<0.5	2.8	<2.0	2.3	<0.5	0.8	<0.5	<0.5	<0.5
	NA NA	NA NA	NA	<5.0	NA NA	NA NA	NA NA	NA	NA NA	NA
	NA NA	NA NA	NA	<2.0	NA NA	NA NA	NA	NA	NA.	NA
	NA NA	NA	NA	<5.0	NA	NA	NA	NA	NA	NA
	NA	NA	NA	7.2	NA	NA	NA	NA	NA	NA
ĺ	<20.0	<20.0	20.4	174	88.8	<20	<20	<20	<20	<20
	<5.00	<5.00	<5.00	24.1	7.14	<5.00	<5.00	<5.00	<5.00	<5.00
	<5.00	<5.00	<5.00	23.5	9.41	<5.00	<5.00	<5.00	<5.00	<5.00
	<2.50	<2.50	<2.50	20.7	8.44	4.73	<2.50	<2.50	<2.50	<2.50
	<20.0	<20.0	<20.0	106	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0
	<5.0	<5.0	<5.0	18	7.3	<5.0	<5.0	<5.0	<5.0	<5.0
	<5.0	<5.0	<5.0	23	7.6	<5.0	<5.0	<5.0	<5.0	<5.0
- 1	<5.0	<5.0	<5.0	22	11	<5.0	<5.0	<5.0	<5.0	<5.0
- 1	<5.0	<5.0	<5.0	26 12	11 6.0	<5.0	<5.0	<5.0	<5.0	<5.0
1	0.6	0.6	4.8	11	7.7	2.9	1.1	<0.5	0.6	<0.5
	<0.5 NA	0.7 NA	3.9 NA	12	NA	3.9 NA	2.0 NA	<0.5 NA	0.7 NA	<0.5 NA
	NA NA	NA NA	NA NA	5.4	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
	10.1	141		5		````	****		****	137
	0.520	0.860	5.42	7.74	2.31	1.71	2.10	<0.500	<0.500	<0.500
	<5.00	<5.00	<5.00	<10.0	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
	<5.00	<5.00	<5.00	<10.0	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
	<2.50	<2.50	<2.50	<5.00	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50
1	<10.0	<10.0	<10.0	26.8	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	<0.5	0.8	4.8	<2.0	1.1	1.3	1.3	<0.5	<0.5	<0.5
	<0.7	0.8	4.1	<2.9	1.0	< 0.7	0.9	<0.7	<0.7	<0.7
	NA	NA	NA	<7.1	NA	NA	NA	NA	NA	NA .
	NA	NA	NA	<7.1	NA	NA	NA	NA	NA	NA

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uene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Naphthalene	N-Propylbenzene	Sec-Butylbenzene	N-Butylbenzene	Chloroform	Tert-Butylbenzene	2-Chlorotoluene
acrie	(μg/L)	(μg/L.)	(μg/L)	(µg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/i.)	(μg/L)	(μg/L.)
$\neg$			11.54		, , , , , , , , , , , , , , , , , , ,	7.0_/	1,0-/			
	<0.500	5.28	5.37	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
	<0.500	<0.500	7.59	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
	<0.500	<0.500	3.71	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
	<0.500	<0.500	4.83	<1.00	<0.500	<0.500	<0.500	<0.500 <0.500	<0.500 <0.500	<0.500 <0.500
ľ	<0.500 <5.0	<0.500 <5.0	5.54 <5.0	<1.00 <5.0	<0.500 <5.0	<0.500 <5.0	<0.500 <5.0	<5.0	<5.0	<5.0
	<5.0	<5.0 <5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
J	<5.0	<5.0	<5.0	<5.0	<5.0	<5,0	<5.0	<5.0	<5.0	<5.0
	-0.5	<0.5	2.5	<2.0	< 0.5	0.7	1.1	<0.5	<0.5	<0.5
	<0.5	<0.5	5.2	<2.0	<0.5	<0.5	<:0.5	< 0.5	<0.5	<0.5
	NA	NA	NA	<5.0	NA	NA	NA	NA NA	NΑ	NA
	NA	NA	NA	<2.0	NA	NΑ	NA	NΑ	NA	NA
	NA	NA	NΛ	<5.0	NA	NA	NΛ	NA	NA	NΛ
ſ	NA	NA	NA	<5.0	NA	NA	NA	ÑΑ	NA	NA
	<0.500	<0.500	1.75	64.3	0.94	<0.500	<0.500	<0.500	<0.500	<0.500
	<0.500	<0.500	0.860	13.5	<0.500	<0.500	<0.500	< 0.500	<0.500	<0.500
	<0.500	<0.500	1.01	19.6	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
	<1.00	<1.00	1.79	80.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	<0.500	<0.500	1.49	11.9	0.540	<0.500	< 0.500	<0.500	<0.500	<0.500
	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
-	<5.0	<5.0	<5.0	59	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	<5.0 <0.5	<5.0	<5.0 0.6	34 <2.0	<5.0 <0.5	<5.0 <0.5	<5.0 <0.5	<5.0 <0.5	<5.0 <0.5	<5.0 <0.5
	<0.5	<0.5 <0.5	2.5	11	1.0	<0.5	<0.5	<0.5	<0.5	<0.5
- 1	NA NA	NA NA	NA NA	<5.0	NA	NA NA	NA NA	NA NA	NA NA	NA.
- 1	NA NA	NA NA	NA	12	NA	NA NA	NA.	NA NA	NA	NA
- 1	NA	NA	NA	<5.0	NA	NΛ	NA	NA	NA	NA
- 1	NA	NΛ	NA	23	NA	NA	NA	NA	NA	NA
	<0.500	<0.500	<0.500	8.11	2.77	2.25	1.31	<0.500	<0.500	<0.500
ł	<0.500	<0.500	<0.500	2.12	0.990	0.920	<0.500	<0.500	<0.500	<0.500
	< 0.500	<0.500	0.510 0.51	1.51 <1.00	0.660	0.790	<0.500	<0.500 <0.500	<0.500 <0.500	<0.500 <0.500
	<0.500 <0.500	<0.500 <0.500	0.620	1.33	0.66 0.940	0.71 0.760	<0.500 <0.500	<0.500	<0.500	<0.500
1	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5,0	<5.0
	<0.5	<0.5	0.51	<2.0	0.68	0.57	<0.5	<0.5	<0.5	<0.5
	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
i	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	<5.0 <0.5	<5.0	<5.0 0.9	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	<0.5	<0.5 <0.5	0.6	<2.0 <2.0	1.0 0.8	0.8 0.6	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5
- 1	<0.5	<0.5	0.6	<2.0	0.7	<0.5	<0.5	<0.5	<0.5	<0.5
1	<0.5	<0.5	0.6	<2.0	0.8	0.5	<0.5	<0.5	<0.5	<0.5
	NA	NA	NA	<5.0	NA	NΛ	NA	NΛ	NΑ	NA
	NΛ	NA	NA	<2.0	NA	NA	NA	NΛ	NA	NA
	NΛ	NA	NA	<5.0	NA	NA	NA	NΛ	NΛ	NA
J	NΛ	NA	NA	<5.0	NA	NA	N.A	NA	NΛ	NA
	<5.00	<5.00	<5.00	37.3	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
- 1	2.11	<0.500	<0.500	22.3	2.05	0.720	0.530	<0.500	<0.500 <0.500	<0.500
	<0.500	<0.500	<0.500	32.0	1.45	0.510	<0.500	<0.500	<0.500	<0.500
	<0.500	<0.500	2.62	40.2	1.68	<0.500	<0.500	<0.500	<0.500	<0.500
	<0.500	< 0.500	<0.500	34.3	1.86	0.60	0.64	<0.500	<0.500	<0.500
	<5.0	<5.0	<5.0	32	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	<5.0	<5.0	<5.0	23	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	<5.0	<5.0	<5.0	24	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	<5.0	<5.0	<5.0	30	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	<0.5	<0.5	2.9	21	1.7	0.6	0.5	<0.5	<0.5	<0.5
	<0.5	<0.5	2.8	20	1.9	<0.5	0.6	<0.5	<0.5	<0.5

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uene	1,2-Dichlorobenzene	1.3-Dichlorobenzene	1,4-Dichlorobenzene	Naphthalene	N-Propylbenzene	Sec-Butylbenzene	N-Butylbenzene	Chloroform	Tert-Butylbenzene	2-Chlorotoluene
	(μg/L)	(μg/L)	(μ <u>g/</u> L)	(µg/L)	(µg/L)	(μg/L.)	(μg/L)	(µg/L)	(μg/L)	(μg/L)
										1
	1.11	< 0.500	5.76	<2.00	<0.500	<0.500	2.78	< 0.500	<0.500	<0.500
	0.860	<0.500	5.59	<1.00	<0.500	< 0.500	1.44	<0.500	0.510	< 0.500
	0.870	< 0.500	4.86	<1.00	<0.500	< 0.500	1.11	< 0.500	<0.500	<0.500
	0.92	< 0.500	5.45	1.0	<0.500	<0.500	1.67	< 0.500	<0.500	<0.500
	0.93	< 0.500	< 0.500	1.11	< 0.500	1.09	1.91	< 0.500	<0.500	< 0.500
ĺ	<5.0	<5.0	<5.0	<5.0	<.5.0	< 5.0	<5.0	<5.0	<5.0	<5.0
ļ	<5.0	<5.0	5.6	<5.0	<5.0	<5.0	<.5.0	<5.0	<5.0	<5.0
	<5.0	<5.0	5.9	<5.0	<5.0	<5.0	<5.0	< 5.0	<5.0	<5.0
	<5.0	<5.0	5.2	<5.0	<5.0	<5.0	<5.0	< 5.0	<5.0	<5.0
	0.8	<0.5	4.8	<2.0	< 0.5	1.1	2.0	<0.5	0.5	<0.5
	0.7	<0.5	4.4	<2.0	<0.5	0.7	1.7	<0.5	0.7	<0.5
	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500

	Naphthalene (µg/L)	Nitrobenzene (µg/L)	Pyrene (µg/L)	2,4-Dimethylphenol (µg/L)	Dimethylphthalate (µg/L)	Di-N-Butylphthalate (μg/L)	1,4-Dichlorobenzene (µg/L)	N-Nitroso-Di-N-Propylamir (μg/L)
	25.5	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
	30.6	<10	<10	<20	<10	<10	13.8	14.1
	39.3	<10	<10	<20	<10	<10	15.8	<10
								<10
	40.5	<10	<10	<20	<10	<10	16.4	
	52.6	<10	<10	<20	<10	<10	<10	<10
	<48	<48	<48	<240	<48	<48	<48	<48
ĺ	50	<9.4	<9.4	<9.4	<9.4	<9.4	14	12
- 1	47	<47	<47	<47	<47	<47	<47	<47
- 1						I		<20
- 1	42	<20	<20	<20	<20	<20	<20	
- 1	49	<10	<10	<10	<10	<10	14	<10
- 1	54	<20	<20	<20	<20	<20	<20	<20
- 1				.5.00		-5.00	-5.00	es 00
- 1	<5.00	<5.00	<5.00	<5.00	5.48	<5.00	<5.00	<5.00
- 1	<10	<10	<10	<20	<10	<10	<10	<10
- 1	<10	<10	<10	<20	<10	<10	<10	<10
- 1	<10	<10	<10	<20	<10	<10	<10	<10
- 1	<10	<10	<10	<20	<10	<10	<10	<10
- 1							<9.6	<9.6
J	<9.6	< 9.6	<9.6	<9.6	<9.6	<9.6		
	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7
- 1	<11	<11	<11	<11	<11	<11	<11	<11
	<10	<10	<10	<20	<10	<10	<10	<10
- 1	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4
	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6
						<9.6	<9.6	<9.6
	<9.6	<9.6	<9.6	<9.6	<9.6			
1	<10	<10	<10	<10	<10	<10	<10	<10
	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9
	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6
l	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8
				<9.7	<9.7	<9.7	<9.7	<9.7
	<9.7	<9.7	<9.7	~7.1	\ \*\'\'	``,,,	-7.1	-9.7
1	99	<50	<50	<50	<50	<50	<50	<50
ſ	95.1	<10	<10	<20	<10	<10	<10	<10
							<10	<10
	51.5	<10	<10	<20	<10	<10		
	96.7	<10	<10	<20	<10	<10	<10	<10
1	98.9	<10	<10	<20	<10	<10	<10	<10
1	94	<48	<48	77	<48	<48	<48	<48
1	73	<9.4	<9.4	46	<9.4	<9.4	<9.4	<9.4
1			<20		<20	<20	<20	<20
1	80	<20		<20				
1	<99	<99	<99	<99	<99	<99	<99	<99
1	<99	<99	<99	<99	<99	<99	<99	<99
	98	<48	<48	<48	<48	<48	<48	<48
	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
ĺ	<10	<10	<10	<20	<10	<10	<10	<10
1	<10	<10	<10	<20	<10	<10	<10	<10
1	<10	<10	<10	<20	<10	<10	<10	<10
				<20	<10	<10	<10	<10
	<10	<10	<10					
	<10	<10	<10	<10	<10	<10	<10	<10
	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7
1	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7
ì	<10	<10	<10	<20	<10	<10	<01>	<10
1	<10	<10	<10	<10	<10	<10	<10	<10
					<9.9	<9.9	<9.9	<9.9
1	<9.9	<9.9	<9.9	<9.9				
1	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7
1	<10	<10	<10	<10	<10	<10	<10	<10
1	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6
1	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7
1	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5
								<9.6
1	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	٥, ۶
1	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
1			<10	<20	<10	<10	<10	<10
1	<10	<10						
1	<10	<10	<10	<20	<10	<10	<10	<10
	<10	<10	<10	<20	<10	<10	<10	<10
	<10	<10	<10	<20	<10	<10	<10	<10
	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6
-	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7
	<.9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8
	<10	<10	<10	<20	<10	<10	<10	<10
	<10	<10	<10	<10	<10	<10	<10	<10
	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8
					<9.7	<9.7	<9.7	<9.7
	<9.7	<9.7	<9.7	<9.7				
	<10	<10	<10	<10	<10	<10	<10	<10
	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9
	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6
				<9.5	<9.5	<9.5	<9.5	<9.5
	<9.5	<9.5	<9.5		<9.5 <9.8	<9.8	<9.8	<9.8
	< 9.8	<9.8	<9.8	<9.8				

	Naphthalene (µg/L)	Nitrobenzene (µg/L)	Pyrene (µg/L)	2,4-Dimethylphenol (µg/L)	Dimethylphthalate (µg/L)	Di-N-Butylphthalate (µg/L)	1,4-Dichlorobenzene (µg/L)	N-Nitroso-Di-N-Propylamine (µg/L)
$\dashv$	(μg/L) <50.0	(tig/t.) <50	(μg/L) <50	(μ <u>g/L)</u> <50	(hg/L) <50	(μg/L) <50	<50	<50
			I					
	25.7	<10	<10	<20	<10	<10	<10	<10
J	30.2	<.10	<10	<20	<10	<10	<10	<10
	30.2	<10	<10	<20	< 10	<10	<10	<10
	22.8	<10	<10	<20	<10	<10	<10	<10
- 1	<48	<48	<48	<48	<48	<48	<48	<48
ı	<49	<49	<49	<49	<49	<49	<49	<49
	11	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5
			1					<10
	<10	< 10	<10	<10	<10	<10	<10	
	13	<9.8	<9.8	<9.8	<9.8	<9.8	8.6>	<9.8
	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9
	<10	<10	<10	<10	<10	<10	<10	<10
ĺ	-1.0	-10	""					,,,
	<5.00	·<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
- 1	<10	<10	<10	<20	<10	<10	<10	<10
	<10	<10	<10	<20	<10	<10	<10	<10
	<10	<10	<10	<20	<10	<10	<10	<10
	<10	<10	<10	<20	<10	<10	<10	<10
				<9.6		<9.6	<9.6	<9.6
	<9.6	<9.6	<9.6		<9.6			
- 1	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4
- [	<10	<10	<10	<10	<10	<10	<10	<10
- 1	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5
- 1	<11	<11	<11	<11	<11	<11	<11	<11
1	<11	<11	<11	<1 i	<11	<11	1</td <td>&lt;11</td>	<11
- 1	ſ	'	ĺ			i	1	
	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
- [	<10	<10	<10	<20	<10	<10	<10	<10
	<10	<10	<10	<20	<10	<10	<10	<10
- [	<10	<10	<10	<20	<10	<10	<10	<10
	<10	<10	<10	<20	<10	<10	<10	<10
	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6
	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4
	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7
-	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8
	<10	<10	<10	<10	<10	<10	<10	<10
	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9
- 1	.5.00	.5.00	-500	-6.00	-5.00	-5.00	-5.00	-5.00
	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
	<10	<10	<10	<20	<10	<10	13.0	<10
- 1	<10	<10	<10	<20	<10	<10	17.0	<10
	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	13	<9.6
	<10	<10	<10	<10	<10	<10	18	<10
	1880	19.5	14.3	106	<5.00	<5.00	<5.00	<5.00
- 1	1700	<112	<112	<224	<112	<112	<112	<112
- {	706	<10	<10	<20	<10	<10	<10	<10
- 1	2130	<100	<100	<200	<100	<100	<100	<100
- 1	3220	<200	<200	<400	<200	<200	<200	<200
- 1	1500	<96	<96	<96	<96	<96	<96	<96
	580	<9.4	<9.4	13	<9.4	<9.4	<9.4	<9.4
	770	<9.7	<9.7	15	<9.7	<9.7	<9.7	<9.7
	1600	<190	<190	<190	<190	<190	<190	<190
-	320	<12	<12	<12	<12	<12	<12	<12
	270	<20	<20	<20	<20	<20	<20	<20
	<50.0	<50.0	<50.0	<50.0	<50.0	<50	<50	<50
	<10	<10	<10	<20	<10	<10	<10	<10
	<10	<10	<10	<20	<10	<10	<10	<10
[				<20	<10	<10		
	<10	<10	<10				<10	<10
	<10	<10	<10	<20	<10	<10	<10	<10
	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6
	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4
-	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7
	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7
	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8
	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7
	-/./	-/	-2.11	*/.,		****	7.1	37.1
	26.1	8.11>	<11.8	<23.6	<11.8	<11.8	<11.8	<11.8
- 1	13.9	<10	<10	<20	<10	<10	<10	<10
	17.9	<10	<10	<20	<10	<10	<10	<10
			<10	<20	<10	<10		
1	10.4	<10					<10	<10
	13.7	<10	<10	<20	<10	<10	<10	<10
- [	<48	<48	<48	<48	<48	<48	<48	<48
	17	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4
	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7
	13	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8
		-						
		<26 I	<26	<26	<26	<26	<26	<26
	<26 <10	<26 <10	<26 <10	<26 <10	<26 <10	<26 <10	<26 <10	<26 <10

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ıapthalene	Naphthalene	Nitrobenzene	Pyrene	2,4-Dimethylphenol	Dimethylphthalate	Di-N-Butylphthalate	1,4-Dichlorobenzene	N-Nitroso-Di-N-Propylamine
/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(µg/L)	(μg/L)	(μg/L)
1.8	<11.8	<11.8	<11.8	<23.6	<11.8	<11.8	<11.8	<11.8
10	<10	<10	<10	<20	<10	<10	<10	<10
10	<10	<10	<10	<20	<10	<10	<10	<10
10	<10	<10	<10	<20	<10	<10	<10	<10
10	<10	<10	<10	<20	<10	<10	<10	<10
}.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6
9.4	<9.4	<9.4	<9.4	<9.4	<9.4	< 9.4	<9.4	<9.4
).7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<.9.7	⊴9.7
₽.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7
22	<22	<22	<22	<22	<22	<22	<22	<22
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	-12.4	<13.4	<13.4	-76.9	z12.4	-12.4	<13.4	<13.4
3.4	<13.4	<10	<10	<26.8 <20	<13.4	<13.4	<10	<10
10	<10	<10	<10		<10	<10 <10	÷10	<10
10 10	<10 <10	<10	<10	<20 <20	<10 <10	<10	<10	<10
10	<10	<10	-10 -10	<20	<10	<10	<10	<10
1.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6
7.0 ).4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4
).7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	< 9.7	<9.7
7.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6
).7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7
7.7 7.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6
[.··								
0.6	49.1	<14.0	<14.0	<28.0	<14.0	<14.0	<14.0	<14.0
10	<10	<10	<10	<20	<10	<10	<10	<10
10	11.1	<10	<10	<20	<10	<10	<10	<10
0.5	59.4	<10	<10	<20	<10	<10	<10	<10
10	<10	<10	<10	<20	<10	<10	<10	<10
0.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6
).4	40	< 9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4
9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7
2.7	20	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7
11	<11	<11	<11	<11	<11	<11	<11	<11
1 t	<11	<11	<11	<11	<11	<11	<11	<11
4.0	<14.0	<14.0	<14.0	114	<14.0	171	<14.0	<14.0
10	<10	<10	<10	149	<10	<10	<10	<10
10	<10	<10	<10	105	<10	<10	<10	<10
10	<10	<10	<10	182	<10	<10	<10	<10
10	<10	<10	<10	116	<10	<10	<10	<10
.6	<9.6	<9.6	<9.6	94	<9.6	<9.6	<9.6	<9.6
.7	<9.7	<9.7	<9.7	80	<9.7	<9.7	<9.7	<9.7
.4	<9.4	<9.4	<9.4	120	<9.4	<9.4	<9.4	<9.4
10	<10	<10	<10	124	<10	<10	<10	<10
.7	<9.7	<9.7	<9.7	94	<9.7	<9.7	<9.7	<9.7
8.9	<9.8	<9.8	<9.8	91	< 9.8	<9.8	<9.8	<9.8
0.6	<9.6	<9.6	<9.6	92	<9.6	<9.6	<9.6	<9.6
.9	<9.9	<9.9	<9.9	66	<9.9	<9.9	<9.9	<9.9
.6	<9.6	<9.6	<9.6	49	<9.6	<9.6	<9.6	<9.6
1.7	<9.7	<9.7	<9.7	18	<9.7	<9.7	<9.7	<9.7
1.6	<9.6	<9.6	<9.6	10	<9.6	<9.6	<9.6	<9.6
.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7
	l i							Į.
3.4	49.3	<13.4	<13.4	<26.8	<13.4	<13.4	<13.4	<13.4
0	13.8	<10 <10	<10	<20 <20	<10	<10	<10	<10
10 10	23.0 18.2	<10	<10 <10	<20 <20	<10 <10	<10 <10	<10	<10
0	24.6	<10	<10	<20	<10		<10	<10
.6	24.6	<9.6	<9.6	<20 <9.6	<9.6	<10 <9.6	<10 <9.6	<10 <9.6
.6	10	<9.6 <9.4	<9.4	<9.6 <9.4	<9.6 <9.4	<9.6 <9.4	<9.6 <9.4	
. <del>4</del> 1.7	12	<9.7	<9.7	<9.7	<9.7	<9.4 <9.7	<9.7	<9.4 <9.7
			,					
.8	16	<9.8	< 9.8	<9.8	<9.8	< 9.8	<9.8	<9.8
1.7 1.7	11	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7 <0.7	<9.7
.,	12	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7
1.2	<11.2	<11.2	<11.2	<22.4	<11.2	<11.2	<11.2	<11.2
0	<10	<10	<10	<20	<10	<10	<10	<10
.0	<10	<10	<10	<20	<10	<10	<10	<10
0	<10	<10	<10	<20	<10	<10	<10	<10
0	<10	<10	<10	<20	<10	<10	<10	<10
.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6
.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6
.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4
.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9
8.	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8
1	<   }	<11	!</td <td>&lt;11</td> <td>&lt;11</td> <td>&lt;11</td> <td>&lt;11</td> <td>&lt;11</td>	<11	<11	<11	<11	<11

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napthalene	Naphthalene	Nitrobenzene	Pyrene	2,4-Dimethylphenol	Dimethylphthalate	Di-N-Butylphthalate	1,4-Dichlorobenzene	N-Nitroso-Di-N-Propylamine
(/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	·:5.00

# 3745 Bayshore Boulevard, Brisbane

### INDOOR AIR AND SUB-SLAB SOIL-GAS SAMPLING WORK PLAN 3745 BAYSHORE BOULEVARD BRISBANE, CALIFORNIA

#### Prepared for

Philip Warden, Esq.
Pillsbury Winthrop Shaw Pittman LLP
Four Embarcadero Center, 22<sup>nd</sup> Floor
San Francisco, CA 94111-2228

#### Prepared by

Terraphase Engineering Inc. 1404 Franklin Street, Suite 600 Oakland, California

June 10, 2013

Project Number 0061.001.003



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File Ref: wp-Pillsbury-indoor air-0061-001-003

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#### **FIGURES**

- 1 Site Vicinity Map
- 2 Site Map
- 3 Soil-Gas Sampling Locations

#### **Acronyms and Abbreviations**

bgs below ground surface

Cal/EPA California Environmental Protection Agency

DTSC Department of Toxic Substances Control

EPA United States Environmental Protection Agency

HASP health and safety plan

Hg Mercury

mL/min milliliters per minute

PID photoionization detector

PPE personal protective equipment

PPMV parts per million by volume

Terraphase Engineering Inc.

TPH Total Petroleum Hydrocarbons

VOC volatile organic compound

#### Certification

All geologic information, conclusions, and recommendations in this document have been prepared by a California State Licensed Geologist.

Pr Lawislowor

6/10/2013

Peter T. Zawislanski California Professional Geologist (7210)

California Certified Hydrogeologist (925)

Date

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#### 1.0 INTRODUCTION

Terraphase Engineering Inc. (Terraphase) has prepared this *Indoor Air and Sub-Slab Soil-Gas Sampling Work Plan* ("the Work Plan") to describe the approach and procedures for an environmental investigation at the property located at 3745 and 3775 Bayshore Boulevard, Brisbane, California (the "Site"), as shown on Figure 1.

The potential presence of volatile organic compounds (VOCs) in indoor air needs to be evaluated in all buildings that overlie the affected soil and groundwater, including those that are currently occupied by commercial tenants (3775 Bayshore Blvd.) and those that are being actively marketed to potential commercial tenants (3745 Bayshore Blvd.).

#### 1.1 Site Description

The Site consists of an approximately 11.4 acre parcel located at 3745 and 3775 Bayshore Boulevard in Brisbane, California. The Site is bounded by a connector road from Bayshore Boulevard to the north, vegetated land between Bayshore Boulevard and Highway 101 to the south, Bayshore Boulevard to the west, and Southern Pacific Railroad (SPRR) right-of-way and San Francisco Bay to the east. Two industrial buildings surrounded by paved driveways and parking areas are present at the Site. The larger building consists of a vacant industrial warehouse and connected office area that occupies approximately 234,000 square feet of the northern and central areas of the Site. An approximately 80,000 square-foot occupied storage warehouse is located on the southern portion of the Site.

A lagoon connected to San Francisco Bay is located approximately 100 feet east of the Site. Based on information collected from subsurface investigations conducted at the Site in April 2013, the depth to groundwater at the Site is between approximately 3 and 6 feet below ground surface (bgs). Groundwater likely flows to the east toward San Francisco Bay. Shallow soil at the Site consists of fill underlain by Bay Mud.

#### 1.2 Site History

The building at 3745 Bayshore Blvd. was operated as a laboratory supply and distribution facility between 1962 and 2012. Historical aerial photographs and site plans indicate that a "Tank Farm" was operated on the southern portion of the Site until approximately 1980 (Figure 2). The smaller warehouse building was constructed on the southern portion of the property by 1981. This building covers the footprint of the former Tank Farm.

The main facility building is currently unoccupied. The smaller warehouse building on the southern portion of the property is currently occupied by tenants for commercial businesses and as a storage warehouse for retail goods.

#### 1.3 Objectives

The purpose of the proposed work is to evaluate the potential presence VOCs inside Site buildings. VOCs in indoor air may result from vapor intrusion from previously detected VOCs in soil and groundwater at the Site. VOCs in indoor air can pose a threat to human health if present at concentrations exceeding certain criteria. Soil and groundwater sampling conducted in April 2013 below and adjacent to the buildings at the Site revealed the presence of:

- petroleum hydrocarbons, including gasoline and its volatile components: benzene, toluene, ethylbenzene, and xylenes, collectively known as BTEX;
- chlorinated VOCs, including tetrachloroethene (PCE) and trichloroethene (TCE) and their daughter products; and
- miscellaneous other VOCs.

The results of the proposed investigation will be compared with agency-approved screening levels for indoor air to evaluate potential health risks to occupants.

#### 2.0 INVESTIGATION METHODS AND PROCEDURES

The sampling activities will be performed in general accordance with Department of Toxic Substances (DTSC) and California Environmental Protection Agency (Cal/EPA) guidance (DTSC 2011 and 2012; Cal/EPA 2012).

#### 2.1 Sampling Locations

Eight proposed locations have been selected inside buildings for the investigation of subslab soil-gas and indoor air (Figure 3). In addition, one location is proposed outside of the Site building to evaluate outdoor ambient air.

The indoor locations were selected based on previous detections of VOCs and total petroleum hydrocarbons (TPH) in the soil and groundwater, and on visual observations made during a site walk and a video survey of drain lines. Proposed sample locations are shown on Figure 3 and are described below.

- Proposed sample locations 1, 2 and 3 are in the southern warehouse near soil borings SB-1 and SB-2, and in the southern part of the building. Soil and groundwater samples collected from borings SB-1 and SB-2 contained high concentrations of BTEX and chlorinated VOCs.
- Proposed sample location 4 is in the former flammables storage room.
- Proposed sample location 5 is in the southern corner of the main building near a previously observed compromised drain-line.
- Proposed sample location 6 is in the former Corrosive Chemical Room in the main warehouse, near soil boring SB-10, where a soil sample indicated the presence of VOCS.
- Proposed sample location 7 is in the northwestern corner of the main building, where indications of past workshop-type activities were observed.
- Proposed sample location 8 is in the smaller office space building located to the north of the warehouse.

The proposed sampling locations may be modified following a pre-sampling building survey, as discussed in Section 2.5 of this Work Plan.

Sub-slab soil-gas samples will be collected concurrently with the indoor air samples, to achieve the following objectives:

• to evaluate whether some or all of the VOCs that may be present in indoor air are coming from the sub-slab (i.e., from soil or groundwater under the building), by

comparing the composition and ratios of VOCs in indoor air with VOCs in sub-slab gas;

- to assess attenuation of VOCs, if present, between sub-slab and indoor air; and
- to evaluate the potential impact of ambient air containing VOCs on indoor air conditions.

One outdoor ambient air sample will be collected to assess ambient contaminant concentrations, because most HVAC units cycle the outdoor air into the buildings. The sample will be collected from a location upwind of the building entrance. The exact location of this sample will be determined the day of sampling based on weather conditions.

#### 2.2 Permits

None of the work will be conducted in the city right-of-way, and none of the work will be performed below 1-foot bgs. No permanent set up for wells will be installed. Therefore, permits are not required.

#### 2.3 Health and Safety Plan

A Health and Safety Plan (HASP) will be prepared to address health and safety concerns specific to the field procedures associated with indoor air and sub-slab sampling. Health and safety meetings will be conducted in the field at the start of the project and each day before beginning fieldwork. All fieldwork will be monitored according to the HASP to ensure that appropriate health and safety procedures are followed. A copy of the HASP will be kept on site during fieldwork activities.

#### 2.4 Utility Clearance

Utility clearance will not be required since none of the work will be performed below 1-foot bgs.

#### 2.5 Pre-Sampling Building Survey and Chemical Inventory

Prior to sample collection, a pre-sampling survey will be performed. A chemical inventory will be conducted during the pre-sampling survey. The building survey and building screening forms provided in the DTSC 2011 vapor intrusion guidance will be used to document this information.

This initial survey will include a field screening of the building with a photoionization detector (PID). The PID screening will be performed to identify potential locations of background sources or potential soil gas entry into the building. Following the building survey, products that contain target analytes will be requested to be removed from the building until the sampling is complete (with permission from the building owner).

#### 2.6 Indoor Air, Sub-Slab Soil-Gas and Outdoor Ambient Air Sampling

Both indoor air and outdoor ambient air samples will be collected within the breathing zone (3 to 5 feet above the floor), using 6-liter Summa™ canisters with a flow regulator set to collect an 8-hour time-integrated sample. The 8-hour sample collection time for a 6-liter capacity Summa™ canister corresponds to a maximum soil-gas sample collection flow rate of approximately 0.0125 L/min. The Summa™ canisters and flow regulators will be individually certified clean by the analytical laboratory. The sampling rate of the flow regulators will be set by the analytical laboratory.

During the initial canister set-up, a PID will be used to screen for any obvious sources of VOCs in the selected sample locations. Sample locations may be modified based on the findings of this screening evaluation.

Eight indoor air and eight sub-slab soil-gas samples will be collected from the building, as discussed in Section 2.1 of this report (Figure 3).

The ambient outdoor air samples will also be collected concurrently with the proposed indoor air samples. The ambient outdoor air sample will be collected generally upwind of the Site building. The location of the ambient outdoor air sample will be selected in the field based on weather conditions.

#### 2.6.1 Indoor Air and Outdoor Ambient Air Sampling Methods

Summa™ canisters received from the laboratory are under vacuum of approximately 29-to-30 inches of mercury. After the canisters are set up in a sample location, the protective cap will be removed and an initial vacuum reading will be collected and recorded to ensure that the canister had not leaked during shipment (vacuum in canister will be a minimum of 27 inches of mercury prior to use). If the canister vacuum is less than 27 inches of mercury, the canister will not be used for sampling. The flow regulator restricts the air flow into the canister so that a time-integrated sample can be collected. The flow regulator is used only for a single sample and is set by the analytical laboratory. At the end of the sample period, the valve on the Summa™ canister will be closed once it reaches approximately five inches of mercury, then the flow regulator removed. The final vacuum will then be measured and recorded on both the field forms and the canister laboratory label. After receipt of the canisters at the laboratory the vacuum will be measured again to ensure that the canister did not leak during shipment.

The following items will be recorded for each sample:

- Sample location (including figure and photograph)
- Room temperature

- Canister identification number
- Flow regulator identification number
- Initial canister vacuum
- Time and date sample collection begins and ends
- Final canister vacuum

Air samples will be analyzed for selected VOCs by USEPA Method TO-15 SIM to obtain a sufficiently low detection limit for VOCs to allow for comparison to screening criteria. The samples will be transferred under strict chain-of-custody procedures to a California-certified laboratory analysis.

#### 2.6.2 Sub-Slab Soil-Gas Sampling Methods

Sub-slab soil-gas sampling will be performed by drilling a small diameter hole ranging from 1 to 1.25 inches in diameter, through the concrete of the foundation slab. The drill will be advanced into the upper 2 to 4 inches of fill located directly below the slab. Once the total depth has been achieved, a vapor probe constructed of 1/8- or 1/4-inch diameter tubing with a permeable probe tip will be placed in the bore. Sand will be placed from the bottom of the bore up to 2-inches above the permeable probe tip. Dry bentonite will be placed in the annual space above the sand to approximately above the base of the concrete foundation followed by hydrated bentonite. Following installation, the point will be allowed a minimum of two hours to cure and equilibrate prior to sampling.

After a sampling apparatus is constructed, and prior to placing the shroud, an initial leak test will be conducted to assess the sample apparatus fittings. With the valves at the sample canister and soil-gas well both in the closed position, a manual purging device (i.e., gas tight syringe with purge valve) will be activated to apply a vacuum to the sampling apparatus of at least 10 inches of mercury (Hg). The valve between the tee and the manual purging device will then be closed to observe whether the vacuum is maintained in the sampling apparatus between the soil-gas well and the sample canister.

Soil-gas samples will be collected in 1-liter, or smaller, laboratory-supplied Summa™ canisters (the volume of the Summa™ canister will allow for the appropriate laboratory reporting limits to be achieved). The canisters will be fitted by the laboratory with a vacuum gauge and a critical orifice flow regulation device sized to allow sample collection at a maximum flow rate of 100 to 200 milliliters per minute (mL/min). The canisters will be preevacuated and batch-certified clean by the laboratory in accordance with EPA Method TO-15, with a minimum vacuum of 28 inches of mercury.

#### 2.6.2.1 Soil-Gas Purging

In accordance with DTSC guidance, the purpose of the purging activities is to remove stagnant soil gas in the soil-gas well tubing and screen prior to sample collection. A minimum of three purge volumes will be extracted prior to sampling. Soil gas will be purged using the manual purging device (i.e., gas-tight syringe). If water is entrained in the sampling system during purging or sampling, the sampling will be discontinued. A note will be made on the field form that the soil-gas sample was unrecoverable.

#### 2.6.2.2 Soil-Gas Sample Collection

Prior to the sample collection, a clear flexible shroud (i.e., plastic bag or similar device) will be placed around the top of the soil-gas well and the soil-gas sample apparatus. A weight will be used to seal the shroud with the ground surface. The air inside the shroud will be enriched with laboratory-grade helium to a minimum concentration of 10% by volume (measured using a portable helium detector).

The valve will then be opened on the sample canister and the start time of sample collection will be recorded on the field form. The sample canister will be fitted by the laboratory with a vacuum gauge and critical orifice flow regulation device sized to allow sample collection at a flow rate of approximately 100 to 200 mL/min. The vacuum in the canister will be monitored during sample collection, and the flow rate verified from the rate of change in the canister vacuum. The helium concentration inside the shroud will be measured shortly after the start of sample collection using the portable helium indicator, and the measured concentration recorded on the field data sheet.

The sample canister valve will be shut off so that there is residual vacuum left in the canister (residual vacuum will be approximately 5 inches of Hg). The residual vacuum will be recorded on the field form. If the soil-gas sampling is not completed within the expected timeframe, approximately 8 to 9 minutes for a 1-liter canister, the vacuum on the sampling apparatus will continue to be monitored. If the rate of change in vacuum indicates the target vacuum cannot be met within 30 minutes, sampling will be stopped and the analysis of the sample may be infeasible or limited if insufficient sample volume is obtained.

#### 2.6.2.3 Sample Analysis and Data Evaluation

The sub-slab and indoor air samples will be analyzed by USEPA Method TO-15 SIM for selected VOCs including PCE, TCE, and daughter products; and BTEX. In addition, the following will be analyzed at specific locations: acetone, 2-butanone, 4-methyl-2-pentanone, isopropylbenzene, 1,3,5-trimethylbenzene, 1,2,4-trimethylbenzene, and naphthalene. The sub-slab soil-gas samples will also be analyzed for helium with an analytical reporting limit of approximately 500 parts per million by volume to assess if the sample was compromised due to leaks in the system. If the helium concentration in the sample is over 5% of the helium concentration in the shroud, the sample will be rejected.

The analytical results will be compared to the RWQCB's Environmental Screening Levels (ESLs) from February 2013 for commercial/industrial land use, and with USEPA Permissible Exposure Levels (PELs).

#### 2.7 Schedule

An estimated two days will be required to perform the building survey and air sampling.

### 3.0 REPORTING

A letter report will be prepared two weeks following the receipt of the laboratory analytical report. This report will contain the results of the sub-slab soil-gas, indoor air and outdoor ambient air samples, and quality control reports. Data will be summarized in tables. Figures will be prepared as necessary to illustrate the findings of this work.

### 4.0 REFERENCES

California Environmental Protection Agency (Cal/EPA). 2012. Advisory: Active Soil Gas Investigations. April.

Department of Toxic Substances Control (DTSC). 2011. Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air (Vapor Intrusion Guidance). October.

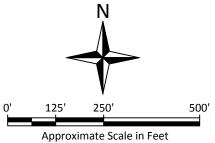
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Proposed Air Sampling Location

Notes

1. Sampling Location 9 is not on the map and will be determined on the day of sampling. Please refer to the Work Plan.



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# **ATTACHMENT 8**

# **FEMA MAPS**

#### NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to fooding, perticularly from local drainage sources of small size. The community map repostry should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information is areas where **Basic Flood Elevations** (BFEs) and/or flood-sign have been determined, users are encouraged to consult whe Flood Profiles and Floodwary Data and/or Summary of Stalware Envations tables contained within the Flood Insurance Study (FIS) report that accompanies are ESMA. sides contained within the Flood Insurance Study (FIS) report that accompanies in FIRM Julies a should be asset that IDEs above on the FIRM represent reading purposes only and should not be used as the sole source of leading purposes only and should not be used as the sole source of flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain measurement.

Coastal Base Flood Elevations shown on this map apply only landward of 50 North American Vertical Datum of 1986 (NAVD 88). Users of this FRM Mould be aware that coastal flood deviations are also provided in the Summary of Statester Elevations tables in the Flood insurance Study report for this jurisdiction. Terration after the Summary of Statest Elevations takes should be used for construction and/or floodstain management purposes when they are higher than the elevations shown on this FRM.

Boundaries of the **Boodways** were computed at cross sections and interpotated between cross sections. The foodways were based on hydrautic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures.** Refer to Section 2.4 "Flood Protection Measures" of the Food Insurance Study report for information on flood control structures for this

The projection used in the preparation of this map was Universal Transverse Mercator (UTM) some 10%. The horizontal datum was NAO 3. GRSG Mercator (UTM) some 10%. The horizontal datum was NAO 3. GRSG projection of PITMS for adjoined jurisdictions may result in slight postconal differences in map features across jurisdiction boundaries. These differences do not affect the accurage of the FIRM.

Flood decisions on this map are reherenced to the North American Vertical Datum of 1986. These flood decisions on this map are reherenced to the North American Vertical Datum of 1986. These flood decisions must be compared to structure and ground electrons referenced to the same vertical datum. For information regarding conversion between the National Geodete Vertical Datum of 1929 and the North American Vertical Datum of 1986, vise the National Geodete Geodete Wester of the North American Vertical Datum of 1986, vise the National Geodete Geodete Survey at the following deficient of the North North Control

NGS Information Services NGAA, NMGS12 National Geodetic Survey SSMC-3, #9202 1315 East-West Highway Silver Spring, Maryland 20910-3282 (301) 713-3242

To obtain current elevation, description, and/or location information for bonds marks shown on this map, please contact the information Services Branch of the National Geodetic Survey at (301) 713-3242, or visit its website at <a href="http://www.nac.nobs.gov">http://www.nac.nobs.gov</a>.

Base map information shown on this FIRM was provided in digital format by the USDA National Agriculture Imagery Program (NAIP). This information was photogrammetrically compiled at a scale of 1.24,000 from aerial photography dated

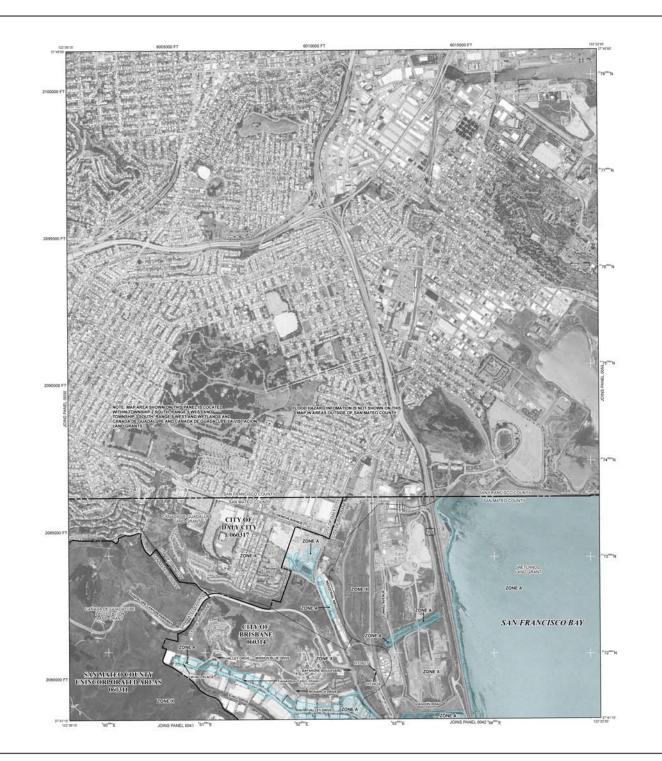
This map reflects more detailed and up/to-date stream channel configurations than those shown on the previous FRM for this jurisdiction. The foodplans and floodways that were transferred from the previous FRM may have been adjusted to confrom to these new stream channel configurations. As a result, the Flood Prefiles and Floodway Data tables in the Flood instanced EQM Peport Yurkhot contains authoritative hybracic datas may reflect stream channel distances that differ from what is alwown on this map.

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For information on assistate products associated with this FIRM wist the Map Service Center (MSC) website at <a href="https://msc.tema.gogs-Avalatee products may include previously issued Lutters of Map Change, e-Tood Insurance Study Report, and/or digital vestions of this map. Many of these products can be ordered or obtained decely from the MSC seales.

you have questions about this map how to Flood Insurance Program in general, please call the FEMA Map Information eXchange (FMX) at 1-877-FEMAMAP (1-877-335-2627) or visit the FEMA while at Int (Insurance and Control of the International Control of the International Control of the International Control of the International Control of the International Control of the International Control



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ZONE D Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (DRAW

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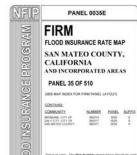
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MAP SCALE 1" = 1000"

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EFFECTIVE DATE

Federal Emergency Management Agency

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NGS Information Services NOAA, NINGS12 National Geodetic Survey SSMC-3, 89202 1315 East-West Highway Silvet Spring, Manyland 20910-3282 (301) 713-3282

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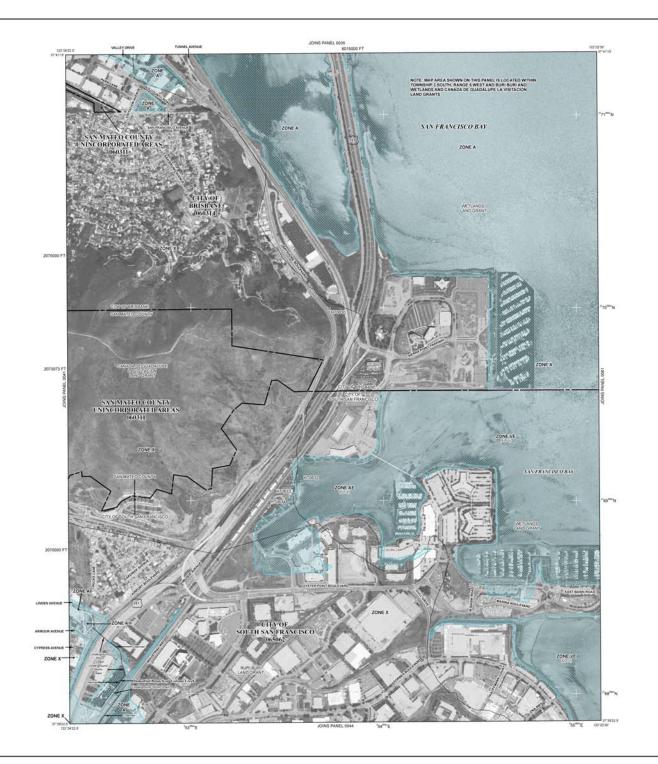
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HAP REPOSITORIES Refer to Map Repositories list on Map Index.

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FLOOD INSURANCE RATE MAP SAN MATEO COUNTY, CALIFORNIA AND INCORPORATED AREAS

PANEL 42 OF 510

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Federal Emergency Management Agency