



# AEI Consultants

## Environmental & Engineering Services

October 21, 2014

### PHASE I ENVIRONMENTAL SITE ASSESSMENT

**Property Identification:**

27501 Loyola Avenue  
Hayward, Alameda County, California 94545

AEI Project No. 335476

**Prepared for:**

Harvest Investments  
3942 Valley Avenue, Suite H  
Pleasanton, California 94566

**Prepared by:**

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# AEI Consultants

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Daniel Bo  
Harvest Investments  
3942 Valley Avenue, Suite H  
Pleasanton, California 94566

**Subject: Phase I Environmental Site Assessment**  
27501 Loyola Avenue  
Hayward, Alameda County, California 94545  
AEI Project No. 335476

Dear Mr. Bo:

AEI Consultants is pleased to provide the results of the *Phase I Environmental Site Assessment* (Phase I ESA) report of the abovementioned address (the "subject property"). This assessment was performed in general conformance with the scope and limitations of ASTM Standard Practice E1527-13 and the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (40 CFR Part 312).

This assessment included a site reconnaissance, review of available historical records as well as research and interviews with representatives of the public, property ownership, on-site personnel, and regulatory agencies. An assessment was made, conclusions stated, and recommendations outlined.

We appreciate the opportunity to provide environmental services to you. If you have any questions concerning this report, or if we can assist you in any other matter, please contact Courtney Monheit at (925) 746-6026 or [cmonheit@aeiconsultants.com](mailto:cmonheit@aeiconsultants.com).

Sincerely,

Courtney Monheit  
Business Development Manager  
AEI Consultants

## PROJECT SUMMARY

**27501 Loyola Avenue, Hayward, Alameda County, California**

Report Section		No Further Action	REC	CREC	HREC	Other Environmental Considerations	Recommended Action
2.1	Site Location and Description	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.2	Site and Vicinity Characteristics	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.1	Historical Summary	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<b>Determine whether sampling is required by oversight agency</b>
4.0	Regulatory Agency Records Review	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Contact oversight agencies to determine if any additional assessment or engineering controls are necessary</b>
5.0	Regulatory Database Records Review	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>See above</b>
5.2	Vapor Migration	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.3	Previous Reports and Other Provided Documentation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7.0	Site Reconnaissance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7.2	Adjacent Site Reconnaissance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8.1	Asbestos-Containing Materials	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8.2	Lead-Based Paint	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8.3	Radon	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8.4	Lead in Drinking Water	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8.5	Mold	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

## LIST OF COMMONLY USED ACRONYMS

AST	Aboveground Storage Tank
AUL	Activity and Use Limitation
APCD	Air Pollution Control District
ASHERA	Asbestos Hazard Emergency Response Act
AQMD	Air Quality Management District
ACM	Asbestos-Containing Material
APN	Assessor's Parcel Number
ASTM	American Society for Testing and Materials
bgs	Below Ground Surface
BTEX	Benzene, Toluene, Ethylbenzene and Xylenes
COC	Contaminant of Concern
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CERCLIS	Comprehensive Environmental Response Compensation and Liability Information System
CREC	Controlled Recognized Environmental Condition
EPA	Environmental Protection Agency
ESA	Environmental Site Assessment
HAZNET	Facility and Manifest Data
GPR	Ground-Penetrating Radar
HWS	Hazardous Waste Site
HVAC	Heating, Ventilation and Air Conditioning
HREC	Historical Recognized Environmental Condition
LLP	Landowner Liability Protection
LOG	Large Quantity Generator
LBP	Lead-Based Paint
LCP	Lead Containing Paint
LUST	Leaking Underground Storage Tank
MSDS	Material Safety Data Sheet
MCL	Maximum Contaminant Level
MTBE	Methyl Tertiary Butyl Ether
µg/L	Micrograms per Liter
mg/kg	Milligrams per Kilogram
mg/L	Milligrams per Liter
NESHAP	National Emission Standards for Hazardous Air Pollutants
NPL	National Priorities List
NFA	No Further Action
ND	None Detected
NOV	Notice of Violation
NTC	Notice to Comply
O&M	Operations and Maintenance
OSHA	Occupational Safety and Health Administration
ppb	Parts per Billion
ppm	Parts per Million
PCE	Perchloroethylene, Tetrachloroethylene, Tetrachloroethene, PERC
PTO	Permit to Operate
pCi/L	PicoCuries per Liter
PCB	Polychlorinated Biphenyl
REC	Recognized Environmental Condition
RCRA	Resource Conservation and Recovery Act
RP	Responsible Party
SVOC	Semi-Volatile Organic Compound
SOG	Small Quantity Generator
SLIC	Spills, Leaks, Investigation, and Cleanup
TPH	Total Petroleum Hydrocarbons
TPHd	Total Petroleum Hydrocarbons (diesel range)
TPHg	Total Petroleum Hydrocarbons (gasoline range)
TPHo	Total Petroleum Hydrocarbons (oil range)
TRPH	Total Recoverable Petroleum Hydrocarbons
TCE	Trichloroethylene, Trichloroethene
UST	Underground Storage Tank
USDA	United States Department of Agriculture
USGS	United States Geological Survey
VOC	Volatile Organic Compound

## EXECUTIVE SUMMARY

AEI Consultants (AEI) was retained by Harvest Investments to conduct a Phase I ESA in conformance with our proposal and the scope and limitations of ASTM Standard Practice E1527-13 and the EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312) for the property referenced in the table below. Any exceptions to, or deletions from, this practice are described in Sections 1.4, 1.5 and 1.6 of this report.

### PROPERTY DESCRIPTION

PROPERTY INFORMATION	
<b>Street Address</b>	27501 Loyola Avenue
<b>City</b>	Hayward
<b>State</b>	California
<b>Location</b>	West side of Loyola Avenue, south side of Bolero Avenue, and east side of Hesperian Boulevard
<b>Vicinity Characteristics</b>	Commercial and residential
<b>Approximate Site Acreage/Source</b>	Approximately 0.30 acres/Assessor's Office
<b>Property Type</b>	Vacant land
<b>Subject Property Use</b>	No on-site activities
<b>Assessor Parcel Number</b>	455-68-1-2
SITE AND BUILDING INFORMATION	
<b>Number of Buildings</b>	None
<b>Year of Construction</b>	N/A
<b>Number of Floors/Stories</b>	N/A
<b>Basement or Subgrade Area</b>	N/A
<b>Number of Units</b>	N/A
<b>Building Area (SF)/Source</b>	N/A
<b>Building Description</b>	N/A
<b>Building Occupant</b>	N/A
<b>Additional Improvements</b>	None
<b>Current On-site Operations</b>	None
<b>Current Use of Hazardous Substances</b>	None identified
UTILITY PROVIDER INFORMATION	
<b>Natural Gas Provider</b>	N/A
<b>Electricity Provider</b>	N/A
<b>Potable Water Provider or Source</b>	N/A
<b>Sewage Disposal Provider or Treatment System</b>	N/A
REGULATORY INFORMATION	
<b>Regulatory Database Listings</b>	Yes; refer to Section 5.1
<b>Institutional Controls</b>	None identified
<b>Engineering Controls</b>	None identified
<b>Environmental Liens</b>	None identified

Refer to Figure 1: Topographic Map, Figure 2: Site Map and Appendix A: Property Photographs for site location and description.

Based on a review of historical sources, the subject property was identified to consist of agricultural land in at least 1946. From at least 1956 to 1978, the subject property was occupied by a Shell branded gas station. From 1979 until 1983, the gasoline station on the subject property was non-operational, and in 1983 and 1984 the existing building and gas station features were removed. The subject property has been vacant land since that time.

Environmental concerns associated with the former agricultural use of the subject property are discussed in Section 3.2. Environmental concerns associated with the former gas station on the subject property are discussed in Section 4.1.2.

The immediately surrounding properties consist of the following:

<b>Direction from Site</b>	<b>Tenant/Use (Address)</b>	<b>Regulatory Database Listing(s)</b>
<b>North</b>	Bolero Avenue, followed by: Former Kaiser Medical Center (27400 Hesperian Boulevard)	RCRA-SQG, FID UST, HIST UST, SWEEPS UST, EMI, UST
<b>East</b>	Loyola Avenue, followed by: Residences (22722 Bolero Avenue and 27512-27524 Loyola Avenue)	None identified
<b>South</b>	A residence (27513 Loyola Avenue)	None identified
<b>West</b>	Hesperian Boulevard, followed by: Glen Oak Apartments (27475 Hesperian Boulevard)	None identified

Please refer to Section 5.1 for discussion of adjacent sites listed in the regulatory database as noted above.

Based upon groundwater monitoring data for the subject property found on-file with the Hayward Fire Department, the direction of groundwater flow beneath the subject property is inferred to be to the south-southeast and groundwater is presumed to be present at an estimated depth of 8 to 15 feet bgs.

## **FINDINGS**

Recognized Environmental Condition (REC) is defined by the ASTM Standard Practice E1527-13 as the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. AEI's assessment has revealed the following RECs associated with the subject property or nearby properties:

- AEI did not identify evidence of on-site RECs during the course of this assessment.

Controlled Recognized Environmental Condition (CREC) is defined by the ASTM Standard Practice E1527-13 as a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of

required controls. AEI's assessment has revealed the following CRECs associated with the subject property or nearby properties:

- Based on the review of records on-file with the Hayward Fire Department (further discussed in Section 4.1.2), the subject property operated as a Shell-branded gasoline station from at least 1956 to 1978 when the station closed. At least 10 underground storage tanks (USTs) have been identified to have been installed and removed from the property, including gasoline and waste oil USTs. Between 1983 and 2001, extensive remediation and monitoring was conducted on the site (including soil and groundwater sampling, a geophysical survey, and soil vapor extraction). In addition, in 2001 the Regional Water Quality Control Board (RWQCB) performed a site assessment focused on human health at the subject property. Although this assessment was not available for review, based on other RWQCB documents, the assessment concluded that the property could be redeveloped for residential use.

On July 16, 2001, the subject property LUST case was granted closure by the RWQCB. However, the letter stated that any residual impacted soil or groundwater disturbed or removed during future redevelopment must be properly managed and disposed of. In addition, it stated that should property use intensify, a separate site assessment shall be conducted and additional clearance obtained from the RWQCB. Upon closure, all soil on-site was non-detect for TPHg, TPHd, and BTEX. However, 980 ppb TPHg, 68 ppb benzene, 15 ppb toluene, less than 0.5 ppb MTBE, 130 ppb xylenes, and 49 ppb ethylbenzene remained in groundwater on-site. All of these levels, excluding MTBE and toluene, were above the RWQCB's 2013 environmental screening levels (ESLs) for residential properties. In addition, although the case closure letter included the former waste oil UST, it should be noted that soil sampling and groundwater monitoring did not analyze for potential contaminants typically associated with the presence of a waste oil UST, such as solvents and/or metals. Based on this information, in conjunction with the planned residential redevelopment of the subject property, the former LUST case on the subject property represents a CREC.

Historical Recognized Environmental Condition (HREC) is defined by the ASTM Standard Practice E1527-13 as a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls. AEI's assessment has revealed the following HRECs associated with the subject property or nearby properties:

- AEI did not identify evidence of on-site HRECs during the course of this assessment.

Other Environmental Considerations warrant discussion, but do not qualify as RECs as defined by the ASTM Standard Practice E1527-13. These include, but are not limited to, de minimis conditions and/or environmental considerations such as the presence of ACMs, LBP, radon, mold, and lead in drinking water, which can affect the liabilities and financial obligations of the client, the health and safety of site occupants, and the value and marketability of the subject property. AEI's assessment has revealed the following environmental considerations associated with the subject property or nearby properties:

- Based on a review of historical aerial photographs, the subject property was historically used for agricultural purposes. There is a potential that agricultural chemicals, such as

pesticides, herbicides and fertilizers, were used on site, and that the subject property has been impacted by the use of such agricultural chemicals. In general, historical agricultural use is not the subject of environmental enforcement actions by regulatory agencies, and therefore, could be considered a de minimis condition. However, AEI understands that the subject property is slated for residential redevelopment. Consequently, it would be prudent for the owner of the subject property to determine whether sampling relating to the former agricultural use of the subject property is required by the local planning department or other applicable oversight agency prior to the commencement of redevelopment activities.

## **CONCLUSIONS, OPINIONS AND RECOMMENDATIONS**

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Standard Practice E1527-13 of 27501 Loyola Avenue in the City of Hayward, Alameda County, California, the *subject property*. Any exceptions to, or deletions from, this practice are described in Sections 1.4, 1.5 and 1.6 of this report.

AEI did not identify evidence of RECs or CRECs in connection with the property except for those previously identified in the Findings section. AEI recommends the following:

- Contact the HFD and RWQCB to determine if any additional assessment or engineering controls are necessary for residential redevelopment of the subject property
- Contact the applicable oversight agency to determine if sampling would be required in relation to the former agricultural use of the subject property



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## **FIGURES**

- 1** TOPOGRAPHIC MAP
- 2** SITE MAP

## **APPENDICES**

- A** PROPERTY PHOTOGRAPHS
- B** REGULATORY DATABASE
- C** REGULATORY AGENCY RECORDS
- D** ASTM USER QUESTIONNAIRE
- E** OTHER SUPPORTING DOCUMENTATION
- F** QUALIFICATIONS

## **1.0 INTRODUCTION**

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This report documents the methods and findings of the Phase I ESA performed in conformance with the proposal and scope and limitations of ASTM Standard Practice E1527-13 and the EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312) for the property located at 27501 Loyola Avenue in the City of Hayward, Alameda County, California (Figure 1: Topographic Map, Figure 2: Site Map, and Appendix A: Property Photographs).

### **1.1 SCOPE OF WORK**

The purpose of the Phase I ESA is to assist the client in identifying potential RECs, in accordance with ASTM E1527-13, associated with the presence of any hazardous substances or petroleum products, their use, storage, and disposal at and in the vicinity of the subject property. Property assessment activities focused on: 1) a review of federal, state, tribal and local databases that identify and describe underground fuel tank sites, leaking underground fuel tank sites, hazardous waste generation sites, and hazardous waste storage and disposal facility sites within the ASTM approximate minimum search distance; 2) a property and surrounding site reconnaissance, and interviews with the past and present owners and current occupants and operators to identify potential environmental contamination; and 3) a review of historical sources to help ascertain previous land use at the site and in the surrounding area.

### **1.2 ADDITIONAL SERVICES**

Other environmental considerations such as ACMs, LBP, lead in drinking water, radon, mold, and wetlands can result in business environmental risks for property owners which may disrupt current or planned operations or cash flow and are generally beyond the scope of a Phase I assessment as defined by ASTM E1527-13. Based upon the agreed-on scope of services this ESA did not include subsurface or other invasive assessments, business environmental risks, or other services not specifically identified and discussed herein.

### **1.3 SIGNIFICANT ASSUMPTIONS**

The following assumptions are made by AEI in this report. AEI relied on information derived from secondary sources including governmental agencies, the client, designated representatives of the client, property contact, property owner, property owner representatives, computer databases, and personal interviews. AEI has reviewed and evaluated the thoroughness and reliability of the information derived from secondary sources including government agencies, the client, designated representatives of the client, property contact, property owner, property owner representatives, computer databases, or personal interviews. It appears that all information obtained from outside sources and reviewed for this assessment is thorough and reliable. However, AEI cannot guarantee the thoroughness or reliability of this information.

Groundwater flow, unless otherwise specified by on-site well data or well data from the subject property or nearby sites, is inferred from contour information depicted on the USGS topographic maps. AEI assumes the property has been correctly and accurately identified by the client, designated representative of the client, property contact, property owner, and property owner's representatives.

## 1.4 LIMITATIONS

Property conditions, as well as local, state, tribal and federal regulations can change significantly over time. Therefore, the recommendations and conclusions presented as a result of this assessment apply strictly to the environmental regulations and property conditions existing at the time the assessment was performed. Available information has been analyzed using currently accepted assessment techniques and it is believed that the inferences made are reasonably representative of the property. AEI makes no warranty, expressed or implied, except that the services have been performed in accordance with generally accepted environmental property assessment practices applicable at the time and location of the assessment.

Considerations identified by ASTM as beyond the scope of a Phase I ESA that may affect business environmental risk at a given property include the following: ACMs, radon, LBP, lead in drinking water, wetlands, regulatory compliance, cultural and historical resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, mold, and high voltage lines. These environmental issues or conditions may warrant assessment based on the type of the property transaction; however, they are considered non-scope issues under ASTM Standard Practice E1527-13.

If requested by the client, these non-scope issues are discussed herein. Otherwise, the purpose of this assessment is solely to satisfy one of the requirements for qualification of the innocent landowner defense, contiguous property owner or bona fide prospective purchaser under CERCLA. ASTM Standard Practice E1527-13 and the United States EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312) constitute the "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice" as defined in:

- 1) 42 U.S.C. § 9601(35)(B), referenced in the ASTM Standard Practice E1527-13.
- 2) Sections 101(35)(B) (ii) and (iii) of CERCLA and referenced in the EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312).
- 3) 42 U.S.C. § 9601(40) and 42 U.S.C. § 9607(q).

The Phase I ESA is not, and should not be construed as, a warranty or guarantee about the presence or absence of environmental contaminants that may affect the property. Neither is the assessment intended to assure clear title to the property in question. The sole purpose of assessment into property title records is to ascertain a historical basis of prior land use. All findings, conclusions, and recommendations stated in this report are based upon facts, circumstances, and industry-accepted procedures for such services as they existed at the time this report was prepared (i.e., federal, state, and local laws, rules, regulations, market conditions, economic conditions, political climate, and other applicable matters). All findings, conclusions, and recommendations stated in this report are based on the data and information provided, and observations and conditions that existed on the date and time of the property reconnaissance.

Responses received from local, state, or federal agencies or other secondary sources of information after the issuance of this report may change certain facts, findings, conclusions, or circumstances to the report. A change in any fact, circumstance, or industry-accepted

procedure upon which this report was based may adversely affect the findings, conclusions, and recommendations expressed in this report.

**1.5 LIMITING CONDITIONS/DEVIATIONS**

The performance of this Phase I ESA was limited by the following conditions:

- On October 14, 2014, AEI contacted the Hayward Fire Department via office visit for information on the subject property to identify any evidence of previous or current hazardous substance usage, and/or for any historical information available for the subject property. According to Mr. Hugh Murphy, two of the six files were missing for the subject property. AEI was only able to view files 3-6 (the most recent documents). However, based on the quality of information provided in these documents, this is not expected to significantly alter the findings of this assessment.
- Due to the size and vacant nature of the subject property, AEI performed a site inspection of the property utilizing a field technique of traversing the site in an attempt to provide an overlapping field of view. Due to the size of the property and the vegetation present on site, isolated areas of the site may have not been accessible for direct observation during AEI’s inspection.

Site reconnaissance observations were limited to readily accessible areas of the subject property and the specific areas identified in Section 7.1.

**1.6 DATA GAPS AND DATA FAILURE**

According to ASTM E1527-13, data gaps occur when the Environmental Professional is unable to obtain information required by the Standard, despite good faith efforts to gather such information. Pursuant to ASTM E1527-13, only significant data gaps, defined as those that affect the ability of the Environmental Professional to identify RECs, need to be documented.

Data failure is one type of data gap. According to ASTM E1527-13, data failure occurs when all of the standard historical sources that are reasonably ascertainable and likely to be useful have been reviewed and yet the objectives have not been met. Pursuant to ASTM E1527-13, historical sources are required to document property use back to the property’s first developed use or back to 1940, whichever is earlier, or periods of five years or greater.

**1.6.1 DATA FAILURE**

The following data failure was identified during the course of this assessment:

<p><b>Data Failure</b></p>	<p>The earliest historical resource obtained during this assessment was an aerial photograph from 1946. The lack of historical sources for the subject property between 1940 and 1946 represents historical data source failure.</p> <p>In the 1946 aerial photograph, the subject property and surrounding area appear as agricultural land. Thus, it is assumed that prior to 1946 the subject property would have been used for agricultural purposes, if not undeveloped. Therefore, this data failure is not expected to significantly alter the Findings of this assessment.</p>
<p><b>Information/ Sources Consulted</b></p>	<p>Aerial Photographs, Sanborn Maps, City Directories, Agency Records</p>



### **1.6.2 DATA GAPS**

AEI did not identify significant data gaps which affected our ability to identify RECs.

### **1.7 RELIANCE**

All reports, both verbal and written, are for the benefit of Harvest Investments. This report has no other purpose and may not be relied upon by any other person or entity without the written consent of AEI. Either verbally or in writing, third parties may come into possession of this report or all or part of the information generated as a result of this work. In the absence of a written agreement with AEI granting such rights, no third parties shall have rights of recourse or recovery whatsoever under any course of action against AEI, its officers, employees, vendors, successors or assigns. Reliance is provided in accordance with AEI's Proposal and Standard Terms and Conditions executed by Harvest Investments on October 1, 2014. The limitation of liability defined in the Terms and Conditions is the aggregate limit of AEI's liability to the client and all relying parties.

## 2.0 SITE AND VICINITY DESCRIPTION

### 2.1 SITE LOCATION AND DESCRIPTION

PROPERTY INFORMATION	
Street Address	27501 Loyola Avenue
City	Hayward
State	California
Location	West side of Loyola Avenue, south side of Bolero Avenue, and east side of Hesperian Boulevard
Vicinity Characteristics	Commercial and residential
Approximate Site Acreage/Source	Approximately 0.30 acres/Assessor's Office
Property Type	Vacant land
Subject Property Use	No on-site activities
Assessor Parcel Number	455-68-1-2
SITE AND BUILDING INFORMATION	
Number of Buildings	None
Year of Construction	N/A
Number of Floors/Stories	N/A
Basement or Subgrade Area	N/A
Number of Units	N/A
Building Area (SF)/Source	N/A
Building Description	N/A
Building Occupant	N/A
Additional Improvements	None
Current On-site Operations	None
Current Use of Hazardous Substances	None identified
UTILITY PROVIDER INFORMATION	
Natural Gas Provider	N/A
Electricity Provider	N/A
Potable Water Provider or Source	N/A
Sewage Disposal Provider or Treatment System	N/A
REGULATORY INFORMATION	
Regulatory Database Listings	Yes; refer to Section 5.1
Institutional Controls	None identified
Engineering Controls	None identified
Environmental Liens	None identified

Refer to Figure 1: Topographic Map, Figure 2: Site Map and Appendix A: Property Photographs for site location and description.

### 2.2 SITE AND VICINITY CHARACTERISTICS

The immediately surrounding properties consist of the following:

Direction from Site	Tenant/Use (Address)	Regulatory Database Listing(s)
<b>North</b>	Bolero Avenue, followed by: Former Kaiser Medical Center (27400 Hesperian Boulevard)	RCRA-SQG, FID UST, HIST UST, SWEEPS UST, EMI, UST
<b>East</b>	Loyola Avenue, followed by: Residences (22722 Bolero Avenue and 27512-27524 Loyola Avenue)	None identified
<b>South</b>	A residence (27513 Loyola Avenue)	None identified
<b>West</b>	Hesperian Boulevard, followed by: Glen Oak Apartments (27475 Hesperian Boulevard)	None identified

Please refer to Section 5.1 for discussion of adjacent sites listed in the regulatory database as noted above.

### 2.3 PHYSICAL SETTING

<b>Geology:</b> According to information obtained from the USGS, the area surrounding the subject property is underlain by alluvial deposits of the Holocene-era.	
Based on a review of the USDA Soil Survey for the area of the subject property, the soils in the vicinity of the subject property are classified as the <i>Clear Lake clay, drained, 0 to 2 percent slopes, MLRA 14</i> series. Soils from this series are characterized as a poorly drained clay.	
<b>USGS Topographic Map:</b>	Hayward, California Quadrangle
<b>Nearest surface water to subject property:</b>	Ward Creek/Approximately 0.61 mile east-northeast
<b>Gradient Direction/Source:</b>	South-southeast/Groundwater monitoring reports for the subject property on-file with the Hayward Fire Department
<b>Estimated Depth to Groundwater/Source:</b>	8 to 15 feet bgs/ Groundwater monitoring reports for the subject property on-file with the Hayward Fire Department

**Note:** Groundwater flow direction can be influenced locally and regionally by the presence of local wetland features, surface topography, recharge and discharge areas, horizontal and vertical inconsistencies in the types and location of subsurface soils, and proximity to water pumping wells. Depth and gradient of the water table can change seasonally in response to variation in precipitation and recharge, and over time, in response to urban development such as storm water controls, impervious surfaces, pumping wells, cleanup activities, dewatering, seawater intrusion barrier projects near the coast, and other factors.



### 3.0 HISTORICAL REVIEW OF SITE AND VICINITY

#### 3.1 HISTORICAL SUMMARY

Reasonably ascertainable standard historical sources as outlined in ASTM Standard E1527-13 were used to determine previous uses and occupancies of the subject property that are likely to have led to RECs in connection with the subject property. A chronological summary of historical data found, including but not limited to aerial photographs, historical city directories, Sanborn fire insurance maps and agency records is as follows:

Date Range	Subject Property Description/Use	Source(s)
1946	Agricultural Land	Aerial Photographs
1956-1978	Shell Branded Gasoline Station	Aerial Photographs, City Directories, Agency Records
1979-1983	Non-operating Gasoline Station	Agency Records
1984-Present	Vacant land	Aerial Photographs, Agency Records

Based on a review of historical sources, the subject property was identified to consist of agricultural land in at least 1946. From at least 1956 to 1978, the subject property was occupied by a Shell branded gas station. From 1979 until 1983, the gasoline station on the subject property was non-operational, and in 1983 and 1984 the existing building and gas station features were removed. The subject property has been vacant land since that time.

Environmental concerns associated with the former agricultural use of the subject property are discussed in Section 3.2. Environmental concerns associated with the former gas station on the subject property are discussed in Section 4.1.2.

#### 3.2 AERIAL PHOTOGRAPH REVIEW

AEI reviewed aerial photographs of the subject property and surrounding area. Aerial photographs were reviewed for the following years:

Year(s)	Subject Property Description	Adjacent Site Descriptions
1946	Agricultural land with a small road running through the southern portion of the property	<b>North:</b> Agricultural land <b>East:</b> Agricultural land <b>South:</b> Agricultural land <b>West:</b> Hesperian Boulevard, followed by agricultural land
1958	Developed with a gas station	<b>North:</b> Bolero Avenue, followed by a building undergoing construction <b>East:</b> Loyola Avenue, followed by two of the existing residences and vacant land <b>South:</b> The existing residences <b>West:</b> No significant changes
1966 1968	No significant changes	<b>North:</b> Bolero Avenue, followed by a commercial building <b>East:</b> Developed with the existing residences <b>South:</b> No significant changes <b>West:</b> No significant changes

Year(s)	Subject Property Description	Adjacent Site Descriptions
1980	No significant changes	<b>North:</b> No significant changes <b>East:</b> No significant changes <b>South:</b> No significant changes <b>West:</b> Hesperian Boulevard, followed by the current apartment buildings
1987 1993 2000 2002 2005	Vacant land	<b>North:</b> Bolero Avenue, followed by the existing hospital building <b>East:</b> No significant changes <b>South:</b> No significant changes <b>West:</b> No significant changes

Based on a review of historical aerial photographs, the subject property was historically used for agricultural purposes. There is a potential that agricultural chemicals, such as pesticides, herbicides and fertilizers, were used on site, and that the subject property has been impacted by the use of such agricultural chemicals. In general, historical agricultural use is not the subject of environmental enforcement actions by regulatory agencies, and therefore, could be considered a de minimis condition. However, AEI understands that the subject property is slated for redevelopment. Consequently, it would be prudent for the owner of the subject property to determine whether sampling relating to the former agricultural use of the subject property is required by the local planning department or other applicable oversight agency prior to the commencement of redevelopment activities.

The subject property was historically used as a gas station. Please refer to Section 4.1.2 for further discussion.

Due to proprietary considerations, copies of aerial photographs are not provided in the appendices but can be found on-line at [www.HistoricAerials.com](http://www.HistoricAerials.com).

### 3.3 SANBORN FIRE INSURANCE MAPS

Sanborn Fire Insurance maps were developed in the late 1800s and early 1900s for use as an assessment tool for fire insurance rates in urbanized areas. A search was made of the Environmental Data Resources, Inc. (EDR) collection of Sanborn Fire Insurance maps.

Sanborn map coverage was not available for the subject property.

### 3.4 CITY DIRECTORIES

A search of AEI's collection of Haine's Criss-Cross historical city directories was conducted for the subject property. The following table summarizes the results of the city directory search.

#### *City Directory Search Results for 27501 Loyola Avenue*

Year(s)	Occupant Listed
1971	California Auto Towing; Carpenter's Shell
1976	Address not listed
1981	Hesperian Shell
1986, 1991, 1995-1996, 2000-2001, 2006	XXXX

XXXX: valid address but no occupancy information available

According to historical city directories, the subject property was formerly occupied by a Shell branded gas station from at least 1971 until at least 1981. Please refer to Section 4.1.2 for further discussion.

If available, copies of historical city directories are provided in the report appendices.

### **3.5 HISTORICAL TOPOGRAPHIC MAPS**

In accordance with our approved scope of services, historical topographic maps were not reviewed as a part of this assessment.

### **3.6 CHAIN OF TITLE**

In accordance with our approved scope of services, a chain of title search was not performed as part of this assessment.

## 4.0 REGULATORY AGENCY RECORDS REVIEW

### 4.1 REGULATORY AGENCIES

Local and state agencies, such as environmental health departments, fire prevention bureaus, and building and planning departments are contacted to identify any current or previous reports of hazardous substance use, storage, and/or unauthorized releases that may have impacted the subject property. In addition, information pertaining to AULs, defined as legal or physical restrictions, or limitations on the use of, or access to, a site or facility, is requested.

#### 4.1.1 LOCAL ENVIRONMENTAL HEALTH DEPARTMENT AND/OR STATE ENVIRONMENTAL AGENCY

On October 3, 2014, AEI contacted the Alameda County Environmental Health Department (ACEHD) via e-mail for information on the subject property. Files at this agency may contain information regarding hazardous substance storage and use, underground storage tanks, unauthorized releases of petroleum hydrocarbons or other contaminants that may affect the soil or groundwater in the area, wells and/or septic systems.

AEI spoke with Ms. Jaqueline Letheridge, who indicated that evidence of current or prior use or storage of hazardous substances was not on file for the subject property with the ACEHD. Ms. Letheridge stated that all records would be on-file with the Hayward Fire Department (further discussed in Section 4.1.2 below).

#### 4.1.2 FIRE DEPARTMENT

On October 14, 2014, AEI contacted the Hayward Fire Department (HFD) via office visit for information on the subject property to identify any evidence of previous or current hazardous substance usage, and/or for any historical information available for the subject property.

According to Mr. Hugh Murphy with the HFD, two of the six files were missing for the subject property. AEI was only able to view files 3-6 (the most recent documents). The following information was on file for the subject property:

##### *Records Reviewed for 27501 Loyola Avenue*

Date	Occupant	Document Type	Document Notes/Violations
01/23/1991-03/23/2001	Shell Oil	Monitoring Reports	Quarterly Groundwater Monitoring Reports
09/16/1993	Former Shell Service Station	Summary of a Meeting	States that 17 wells will be sampled on a quarterly basis
10/25/1993	Former Shell Service Station	Recovery System Evaluation Report	States that the hydrocarbon plume has been defined and appears to be restricted to the subject property
12/07/1993	Shell Service Station	UST Permit Application	Permit to remove one UST
12/30/1993	Shell Oil Company	Workplan for Well Decommissioning	Plan for decommissioning of monitoring wells
04/12/1994	Shell Oil Company	Underground Product Recovery Tank Removal	States that the product recovery UST and piping were removed under HFD supervision on December 15, 1993. Soil sampling was conducted, with one sample at either end of the UST pit, and

Date	Occupant	Document Type	Document Notes/Violations
			four samples from stockpiled soil. No TPHg or BTEX was found, but a maximum of 9.8 mg/kg lead was found in the tank pit.
05/21/1999	Former Shell Station	Correspondence	States that the closure process can be initiated
07/31/2000	Former Shell Service Station	Site Closure Request	<p>States that there was a former waste oil UST at the site, although the former location and size are not known and no soil sampling related to the waste oil UST was found in files.</p> <p>States that in 1993 the 1,000-gallon underground product recovery tank and associated piping were removed from the property.</p> <p>In 1994, 36.80 pounds of TPHg and 0.21 pound of benzene were removed from soil vapor. In 1995, oxygen releasing compounds were injected into wells on-site to enhance the natural attenuation process.</p> <p>Also has historic sampling data for monitoring wells 4-38 from 1989 to the most recent sampling in 1995.</p>
06/11/2001	Former Shell Service Station	Geophysical Survey	Survey to determine if any USTs remain on-site. No USTs were found, although soil anomalies were found and attributed to buried fence posts or other smaller debris.
06/13/2001	Loyola LLC	Review of Human Health Risk Assessment Technical Report	States that the subject property was an operating gas station from at least 1956 to 1978. The USTs and related equipment were excavated in 1983 and 1984 with no documentation or sampling data available although heavy impacts to groundwater were identified and a groundwater pump-and-treat system was installed in 1985.
06/29/2001	Former Shell Service Station	Case Closure Request (from the City of Hayward)	<p>States that the property is currently in the process of being redeveloped into a residential property and a separate site assessment focused on human health risks was conducted by the RWQCB which concurred with the HFD that the site may be used for a residential project.</p> <p>Also states that a total of 10 USTs were installed and removed at the site: four installed in 1958, one installed in 1970, four removed in 1969, and one installed in 1989 to pump and treat groundwater which was removed in 1993. A</p>

Date	Occupant	Document Type	Document Notes/Violations
			geophysical survey was conducted at the site and determined that there are no remaining USTs at the property. Soil contamination was found between 11 and 14 feet bgs, and did not extend off-site.
07/16/2001	Equiva Services LLC	Closure Letter (also on-file on the GeoTracker website)	States that upon UST removal in 1983 and 1984, free product was observed in groundwater. 35 monitoring wells were installed at the property. Approximately 848 pounds of free product were removed from the property from 1985-1994. Upon closure, soil on-site was non-detect for TPHg, TPHd, Benzene, and toluene. However, 980 ppb TPHg, 68 ppb benzene, 15 ppb toluene, 130 ppb xylene, and 49 ppb xylenes remained in groundwater upon closure.

Based on the review of records on-file with the HFD, the subject property operated as a Shell branded gas station from at least 1956 to 1978 when the station closed. At least 10 USTs have been identified to have been installed and removed from the property. In 1983, two soil borings were advanced on-site and a monitoring well was installed. Between 1983 and 1984, the most recent UST system was removed from the property which included four fuel USTs and one waste oil UST. While no removal reports were available, heavy impacts to groundwater was identified during removal. No sampling information for the former waste oil UST was found by the regulatory agencies or consultants. From 1985 to 1994, a groundwater pump-and-treat system was operated at the subject property and 26 monitoring wells were installed on-site and nine were installed off-site (MW4-MW38). As part of the pump-and-treat system, approximately 848 pounds of free-product were removed from groundwater, while an unknown amount of excavated soil was removed and likely disposed of off-site.

Since 1989 groundwater samples have been collected quarterly. No free-product was encountered in monitoring wells on- or off-site after 1991. In 1994, the groundwater pump-and-treat system was shut-down due to low concentrations of petroleum hydrocarbons in the extracted groundwater. Upon removal of the product recovery UST, soil samples were taken at both ends of the UST pit and a maximum of 9.8 mg/kg of lead was found in soil (below the Environmental Screening Level [ESL] for lead which is 80 mg/kg for residential properties), while not petroleum hydrocarbons or BTEX were encountered. In 1994, a soil vapor extraction program was initiated and 36.80 pounds of TPHg and 0.21 pound of benzene were extracted from soil vapor. It does not appear that the system was used again.

In 2001, a geophysical survey was conducted on-site to determine if any previously unknown USTs remained on-site. While various areas of soil anomalies were encountered, these were attributed to buried metal fence posts or other small debris, and it was concluded that no other UST remained on-site. In addition, in 2001 the RWQCB performed a site assessment focused on human health at the subject property. Although this assessment was not available for review, based on other RWQCB documents, the assessment concluded that the property could be redeveloped for residential use.

On July 16, 2001, the subject property was granted case closure for the LUST case on-site. The letter concluded that any residual impacted soil of groundwater disturbed or removed during future redevelopment must be properly managed and disposed of. In addition, it stated that should property use intensify, a separate site assessment shall be conducted and additional clearance obtained from the RWQCB. Upon closure, all soil on-site was non-detect for TPHg, TPHd, and BTEX. However, 980 ppb TPHg, 68 ppb benzene, 15 ppb toluene, less than 0.5 ppb MTBE, 130 ppb xylenes, and 49 ppb ethylbenzene remained in groundwater on-site. All of these levels, excluding MTBE and toluene, were above the RWQCB's 2013 environmental screening levels (ESLs) for residential properties. In addition, although the case closure letter included the former waste oil UST, it should be noted that soil sampling and groundwater monitoring did not analyze for potential contaminants typically associated with the presence of a waste oil UST, such as solvents and/or metals. Based on this information, in conjunction with the planned residential redevelopment of the subject property, the former LUST case on the subject property represents a CREC.

#### 4.1.3 BUILDING DEPARTMENT

On October 16, 2014, AEI contacted the Hayward Building Department (HBD) via office visit for information on the subject property in order to identify historical tenants, features of concern and property use.

Please refer to the following table for a listing of permits reviewed:

*Building Permits Reviewed for 27501 Loyola Avenue*

Year(s)	Owner/Applicant	Description of Permit/Building Use
1976	Shell Oil	Sign Permit for a gas station
1984	Shell Oil Company	Permit application to operate a drive-in restaurant
2001	City of Hayward	Permit for the destruction of five monitoring wells
2001	Loyola LLC	Violation – multiple bags of weeds and grass on-site
2003	Loyola LLC	Violation – concrete debris, abated by the owner
2004	Loyola LLC	Violation - high weeds in vacant lot, abated by the owner
2005	Loyola LLC	Violation - high weeds in vacant lot, abated by the owner
2006	Aratales Ferdinand P and Jaime	Violation - high weeds and debris on vacant lot
2007	Aratales Ferdinand P and Jaime	Violation - high weeds, construction debris, trucks, and a sign on vacant lot
2014	Daniel and Francis Bo	Permit for a new single family residence with an attached garage

Based on the review of building permits on-file with the HBD, the subject property was formerly occupied by a Shell Oil Gas Station. Please refer to Section 4.1.2 for further discussion.

#### 4.1.4 PLANNING DEPARTMENT

On October 16, 2014, AEI contacted the Hayward Planning Department (HPD) via office visit for information on the subject property in order to identify AULs associated with the subject property.

According to the HPD, evidence indicating the existence of AULs was not on file for the subject property with the department.

#### 4.1.5 COUNTY ASSESSOR OFFICE

On October 3, 2014, AEI visited Alameda County assessor's office website for information on the subject property in order to determine the earliest recorded date of development and use.

According to the Alameda County assessor's website, the former subject property is zoned for residential use. No information about the initial date of construction was available on the website.

#### 4.1.6 OIL AND GAS WELLS

California Department of Conservation, Division of Oil, Gas, and Geothermal Resources (DOGGR) maps concerning the subject property and nearby properties were reviewed. DOGGR maps contain information regarding oil and gas development.

According to the DOGGR Online Mapping System, there are no oil or gas wells within 500 feet of the subject property. No environmental concerns were noted during the DOGGR map review.

#### 4.1.7 OTHER AGENCIES SEARCHED

On **October 3, 2014**, AEI contacted **The Bay Area Air Quality Management District (BAAQMD)** for information regarding any records of Permits to Operate (PTO), Notices of Violation (NOV), or Notices to Comply (NTC) issued to occupants of the subject property and associated with air emissions equipment primarily related to stationary sources of air pollution, such as dry cleaning machines, boiler, and/or underground storage tanks (USTs) .

According to Ms. Rochelle Reed with the BAAQMD, the subject property had a final inspection in 1984 with no notices of violation on-file. No other records were on-file with the BAAQMD for the subject property.

On **October 3, 2014**, AEI visited the **GeoTracker** website maintained by the **Regional Water Quality Control Board (RWQCB)** for information regarding unauthorized releases of hazardous materials to the groundwater. Cases typically handled by the RWQCB include releases from USTs.

According to the GeoTracker website, the subject property is a Closed LUST case with the RWQCB. The closure letter for the subject property was on-file on the GeoTracker website, and is further discussed in Section 4.1.2.

On **October 3, 2014**, AEI contacted the **San Francisco Bay Area Regional Water Quality Control Board (SF RWQCB)** for information regarding ASTs, USTs, hazardous materials storage, industrial waste discharges, and/or releases at the subject property and nearby sites of concern.

According to Ms. Melinda Wong, the only record on-file for the subject property with the SF RWQCB was the closure letter which is also available on the GeoTracker website and is discussed in Section 4.1.2.



On **October 3, 2014**, AEI visited the **Hazardous Waste Tracking System (HWTS)** online database maintained by the **California Department of Toxic Substances Control (DTSC)** for information regarding documented hazardous wastes generated at the subject property.

Based on the one record on-file for the subject property, in 1993 approximately 1.5 tons of aqueous solution with organic residues and 0.75 ton of empty containers were generated at the subject property in 1993. The hazardous waste generated was likely in connection with closure activities which are discussed in Section 4.1.2.

On **October 3, 2014**, AEI visited the **EnviroStor** website maintained by the **California Department of Toxic Substances Control (DTSC)** for information indication any release of hazardous materials on the subject property.

No information indicating any release of hazardous materials on the subject property was found on the **EnviroStor** website.

#### **4.1.8 STATE ENVIRONMENTAL SUPERLIENS AND PROPERTY TRANSFER LAWS**

In accordance with our approved scope of services, AEI did not assess whether the subject property is subject to any state environmental superliens and/or property transfer laws.

## 5.0 REGULATORY DATABASE RECORDS REVIEW

AEI contracted Environmental Data Resources, Inc. (EDR) to conduct a search of publicly available information from federal, state, tribal, and local databases containing known and suspected sites of environmental contamination and sites of potential environmental significance. Data gathered during the current regulatory database search is compiled by EDR into one regulatory database report. Location information for listed sites is designated using geocoded information provided by federal, state or local agencies and commonly used mapping databases with the exception of "Orphan" sites. Due to poor or inadequate address information, Orphan sites are identified but not geocoded/mapped by EDR, rather, information is provided based upon vicinity zip codes, city name, and state. The number of listed sites identified within the approximate minimum search distance from the federal and state environmental records database listings specified in ASTM Standard E1527-13 is summarized in Section 5.1, along with the total number of Orphan sites. A copy of the regulatory database report is included in Appendix B of this report.

The subject property was identified in the regulatory database report as follows: Hist Cortese, LUST, CA FID UST, EDR Hist Auto Station, HIST UST, SWEEPS UST, HAZNET, and RGA LUST. See Section 5.1 for additional discussion.

In determining if a listed site is a potential environmental concern to the subject property, AEI generally applies the following criteria to classify the site as lower potential environmental concern: 1) the site only holds an operating permit (which does not imply a release), 2) the site's distance from, and/or topographic position relative to, the subject property, and/or 3) the site has recently been granted "No Further Action" by the appropriate regulatory agency.

### 5.1 RECORDS SUMMARY

Database	Search Distance (Miles)	Subject Property Listed	Number of Listings within Search Distance	Recognized Environmental Condition or Other Environmental Consideration (Yes, No or N/A)
NPL	1	No	0	N/A
DELISTED NPL	0.5	No	0	N/A
CERCLIS	0.5	No	0	N/A
CERCLIS NFRAP	0.5	No	0	N/A
RCRA CORRACTS	1	No	0	N/A
RCRA-TSDF	0.5	No	0	N/A
RCRA LQG, SQG, CESQGs, VGN, NLR	SP/ADJ	No	1	No; however one adjacent site is further discussed below
US ENG CONTROLS	SP	No	0	N/A
US INST CONTROLS	SP	No	0	N/A

Database	Search Distance (Miles)	Subject Property Listed	Number of Listings within Search Distance	Recognized Environmental Condition or Other Environmental Consideration (Yes, No or N/A)
ERNS	SP	No	0	N/A
STATE/TRIBAL HWS	1	No	7	No
STATE/TRIBAL SWLF	0.5	No	0	N/A
STATE/TRIBAL REGISTERED STORAGE TANKS	SP/ADJ	No	1	No; however, the adjacent site is discussed below
STATE/TRIBAL LUST	0.5	Yes	9	Yes; the subject property is discussed below
STATE/TRIBAL EC and IC	SP	No	0	N/A
STATE/TRIBAL VCP	0.5	No	0	N/A
STATE/TRIBAL BROWNFIELD	0.5	No	0	N/A
ORPHAN	N/A	No	8	No; none of the identified orphan sites are located in the immediate vicinity (500-feet) of the subject property, and/or based upon the distance and relative gradient, the sites are not expected to represent a significant environmental concern.
ADDITIONAL ENVIRONMENTAL RECORD SOURCES	SP/ADJ	No	11	Yes; the subject property is further discussed below. In addition, one adjacent site is further discussed below but is not expected to represent a significant environmental concern

SP: subject property  
ADJ: adjacent property

Facility Name:	Shell Station (Closed), George S Shell Service, Shell
Databases:	HIST Cortese, LUST, FID UST, EDR US HIST Auto Stat, HIST UST, SWEEPS UST, HAZNET, RGA LUST
Address:	27501 Loyola Avenue
Distance:	Subject Property
Direction:	N/A
Comments:	The subject property was formerly a Shell branded gas station from at least 1956 to 1978. Please refer to Section 4.1.2 for further discussion.

Facility Name:	Kaiser Permanente Hayward Medical Center
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Facility Name:	Kaiser Permanente Hayward Medical Center
Databases:	RCRA-SQG, FID UST, HIST UST, SWEEPS UST, EMI, UST
Address:	27400 Hesperian Boulevard
Distance:	Adjacent (approximately 80 feet)
Direction:	North (hydrologically upgradient)
Comments:	This adjacent site was formerly the operating Kaiser Medical Center. The facility formerly generated more than 100 and less than 1,000 kg of hazardous materials per month, and prior to 2004 generated larger quantities. A diesel UST was formerly located on the property, installed in 1984 and permitted with the HFD. The site was also listed as an air emissions site from at least 1990 to 2012. Based on the lack of a documented release, the review of regulatory agency records was not deemed necessary for this site, and it is not expected to present a significant environmental concern at this time.

## 5.2 VAPOR MIGRATION

AEI reviewed reasonably ascertainable information for the subject and nearby properties, including a regulatory database, files for nearby release sites, and/or historical documentation, to determine if potential vapor-phase migration concerns may be present which could impact the subject property.

Based on a review of available resources as documented in this report, AEI did not identify significant on-site concerns and/or regulated listings from nearby sites which suggest that a vapor-phase migration concern currently exists at the subject property.

## 6.0 INTERVIEWS AND USER PROVIDED INFORMATION

### 6.1 INTERVIEWS

Pursuant to ASTM E1527-13, the following interviews were performed during this assessment in order to obtain information indicating RECs in connection with the subject property.

#### 6.1.1 INTERVIEW WITH OWNER

The subject property owner, Mr. Daniel Bo, was contacted via telephone on October 3, 2014. Mr. Bo has been associated with the subject property since 2013. Mr. Bo stated that he was aware that there was a gas station at the property and that a case had been closed for the leaking fuel tanks. Mr. Bo was asked if he was aware of any of the following:

Any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Any pending, threatened or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Any incidents of flooding, leaks, or other water intrusion, and/or complaints related to indoor air quality.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Mr. Bo stated that he was aware of the former LUST case on the subject property, but he understood the case was closed. Please refer to Section 4.1.2 for further discussion.	

#### 6.1.2 INTERVIEW WITH KEY SITE MANAGER

The key site manager, Mr. Bo, is also the property owner. Refer to Section 6.1.1.

#### 6.1.3 PAST OWNERS, OPERATORS AND OCCUPANTS

In an attempt to interview past owners, operators and occupants regarding historical on-site operations, AEI requested the contact information for these entities from the current subject property owner, Mr. Bo. Mr. Bo was unable to provide the contact information for the past owners, operators and occupants. Other methods of researching the contact information for past owners, operators and occupants are performed by AEI when a data gap is encountered and/or if an item of environmental concern is identified for the subject property, which include reviewing historical agency records and/or online research, none of which were encountered during the course of this investigation. As such, interviews with past owners, operators and occupants regarding historical on-site operations were not reasonably ascertainable.

#### 6.1.4 INTERVIEW WITH OTHERS

Information obtained during interviews with local government officials is incorporated into the appropriate segments of this section.

### 6.2 USER PROVIDED INFORMATION

User provided information is intended to help identify the possibility of RECs in connection with the subject property. According to ASTM E1527-13 and the EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), certain items should be researched by the prospective

landowner or grantee, and the results of such inquiries may be provided to the Environmental Professional. The responsibility for qualifying for LLPs by conducting the inquiries ultimately rests with the User, and providing the information to the Environmental Professional would be

The User Questionnaire was completed by Mr. Daniel Bo, owner of the subject property. Sections 6.2.1 through 6.2.6 represent information contained therein.

#### **6.2.1 ENVIRONMENTAL LIENS**

AEI was not informed by the User, Heritage Investments, represented by Mr. Daniel Bo, of any environmental cleanup liens encumbering the subject property that are filed or recorded under federal, tribal, state or local law.

#### **6.2.2 ACTIVITY AND LAND USE LIMITATIONS**

AEI was not informed by the User of any AULs, such as engineering controls, land use restrictions or institutional controls that are in place at the subject property and/or have been filed or recorded in a registry under federal, tribal, state or local law.

#### **6.2.3 SPECIALIZED KNOWLEDGE**

AEI was not informed by the User of any specialized knowledge or experience related to the subject property or nearby properties.

#### **6.2.4 VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES**

The User did not indicate to AEI any information to suggest that the valuation of the subject property is significantly less than the valuation for comparable properties due to environmental factors.

#### **6.2.5 COMMONLY KNOWN OR REASONABLY ASCERTAINABLE INFORMATION**

The User did inform AEI of any commonly known or reasonably ascertainable information about the subject property which aided AEI in identifying conditions indicative of a release or threatened release. Mr. Bo told AEI that the property was formerly a gas station with a closed LUST case. Please refer to Section 4.1.2 for further discussion.

#### **6.2.6 KNOWLEDGE OF PRESENCE OR LIKELY PRESENCE OF CONTAMINATION**

The User did not inform AEI of any obvious indicators that pointed to the presence or likely presence of contamination at the subject property.

#### **6.3 PREVIOUS REPORTS AND OTHER PROVIDED DOCUMENTATION**

No prior reports or other relevant documentation in association with the subject property was made available to AEI during the course of this assessment.

## 7.0 SITE RECONNAISSANCE

<b>Site Reconnaissance Date</b>	October 16, 2014
<b>AEI Site Assessor</b>	Ms. Elizabeth Scudero
<b>Property Escort/Relationship to Property</b>	N/A
<b>Units/Areas Observed</b>	Due to the size and vacant nature of the subject property, AEI performed a site inspection of the property utilizing a field technique of traversing the site in an attempt to provide an overlapping field of view. Due to the size of the property and the vegetation present on site, isolated areas of the site may have not been accessible for direct observation during AEI's inspection.
<b>Area not accessed and reason</b>	None
<b>Weather</b>	Sunny and fair, approximately 75 degrees Fahrenheit

### 7.1 SUBJECT PROPERTY RECONNAISSANCE FINDINGS

Yes	No	Observation
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Regulated Hazardous Substances/Wastes and/or Petroleum Products in Connection with Property Use
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Aboveground/Underground Hazardous Substance or Petroleum Product Storage Tanks (ASTs / USTs)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Hazardous Substance and Petroleum Product Containers Not in Connection with Property Use
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unidentified Substance Containers
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Electrical or Mechanical Equipment Likely to Contain Fluids
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Interior Stains or Corrosion
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Strong, Pungent or Noxious Odors
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Pools of Liquid
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Drains, Sumps and Clarifiers
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Pits, Ponds and Lagoons
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Stained Soil or Pavement
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Stressed Vegetation
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Solid Waste Disposal or Evidence of Fill Materials
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Waste Water Discharges
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Wells
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Septic Systems
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Biomedical Wastes
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other

The subject property is currently vacant and no operations are conducted on site.

AEI did not observe the above listed items during the subject property reconnaissance.

**7.2 ADJACENT PROPERTY RECONNAISSANCE FINDINGS**

Yes	No	Observation
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Hazardous Substances and/or Petroleum Products in Connection with Property Use
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Aboveground and Underground Hazardous Substance or Petroleum Product Storage Tanks (ASTs / USTs)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Hazardous Substance and Petroleum Product Containers and Unidentified Containers Not in Connection with Property Use
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unidentified Substance Containers
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Electrical or Mechanical Equipment Likely to Contain Fluids
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Strong, Pungent or Noxious Odors
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Pools of Liquid
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Drains, Sumps and Clarifiers
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Pits, Ponds and Lagoons
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Stained Soil or Pavement
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Stressed Vegetation
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Solid Waste Disposal or Evidence of Fill Materials
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Waste Water Discharges
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Wells
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Septic Systems
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other

AEI did not observe the above listed items during the adjacent property reconnaissance.



## **8.0 OTHER ENVIRONMENTAL CONSIDERATIONS**

---

### **8.1 ASBESTOS-CONTAINING BUILDING MATERIALS**

The subject property is currently vacant land or lacks structures. Consequently, AEI did not observe building components likely to contain suspect asbestos containing materials during the site reconnaissance.

### **8.2 LEAD-BASED PAINT**

The subject property is currently vacant land or lacks structures. Consequently, AEI did not observe building components likely to contain suspect LBP during the site reconnaissance.

### **8.3 RADON**

Radon is a naturally-occurring, odorless, invisible gas. Natural radon levels vary and are closely related to geologic formations. Radon may enter buildings through basement sumps or other openings.

Radon sampling was not requested as part of this assessment. According to the California Department of Health Services Radon Database, 448 tests were conducted for radon levels in the subject property zip code (94545) in 2010. Only 12 of the tests exceeded the action level of 4.0 pCi/L set forth by the US EPA. Based on the lack of subsurface areas, radon does not appear to be a concern. However, testing would be required to determine site-specific radon levels.

### **8.4 DRINKING WATER SOURCES AND LEAD IN DRINKING WATER**

The City of Hayward supplies potable water to the subject property. The most recent water quality report states that 90 percent of lead levels in the area's water supply were below 1.2 ppb and therefore are well within standards established by the US EPA.

### **8.5 MOLD/INDOOR AIR QUALITY ISSUES**

The subject property is currently vacant land or lacks structures. Consequently, mold was not addressed as part of this assessment.

## **9.0 SIGNATURE OF ENVIRONMENTAL PROFESSIONALS**

---

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of 40 CFR Part 312.

I have the specific qualifications based on education, training, and experience to assess a property of the nature, history and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Prepared By:

**DRAFT**

Elizabeth Scudero  
Project Manager

Reviewed By:

**DRAFT**

Angela Hunt  
Senior Project Manager

Reviewed By:

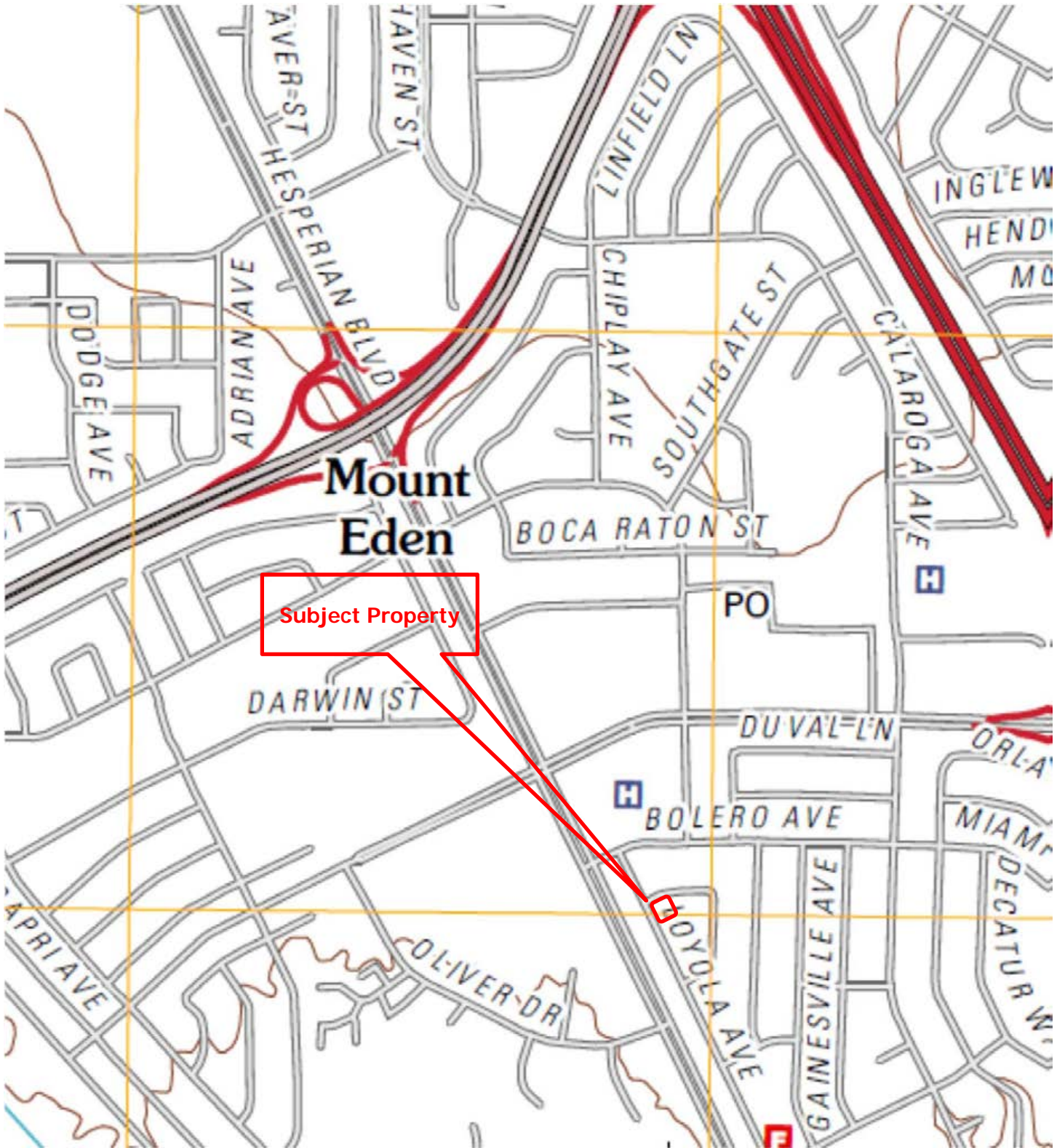
**DRAFT**

Brie Solaegui  
Senior Author

## 10.0 REFERENCES

Item	Date(s)	Source
Topographic Map, Hayward, CA Quadrangle	2012	United States Geological Survey (USGS)
Regulatory Database	October 3, 2014	Environmental Data Resources (EDR)
Aerial Photographs	1946, 1958, 1966, 1968, 1980, 1987, 1993, 2000, 002, and 2005	Environmental Data Resources (EDR)
Sanborn Maps	October 3, 2014	Environmental Data Resources (EDR)
City Directories	1971, 1976, 1981, 1986, 1991, 1995-1996, 2000-2001, 2006	AEI's collection of Haine's Criss-Cross City Directories
Health Department	October 3, 2014	Alameda County Environmental Health Services
Fire Department	October 14, 2014	Hayward Fire Department
Building Department	October 16, 2014	Hayward Building Department
Planning Department	October 16, 2014	Hayward Planning Department
Oil and Gas Wells	October 3, 2014	Department of Oil and Gas
Assessor's Office	October 3, 2014	Alameda County Assessor's Office
Other Agencies	October 3, 2014	Regional Water Quality Control Board (RWQCB), Department of Toxic Substances Control (DTSC)
Interviews	October 3, 2014	Mr. Daniel Bo, subject property owner and key site manager
Geology and Hydrogeology	October 3, 2014	USGS
Radon	2010	California Radon Database

## FIGURES



Legend

Approximate Property Boundary 

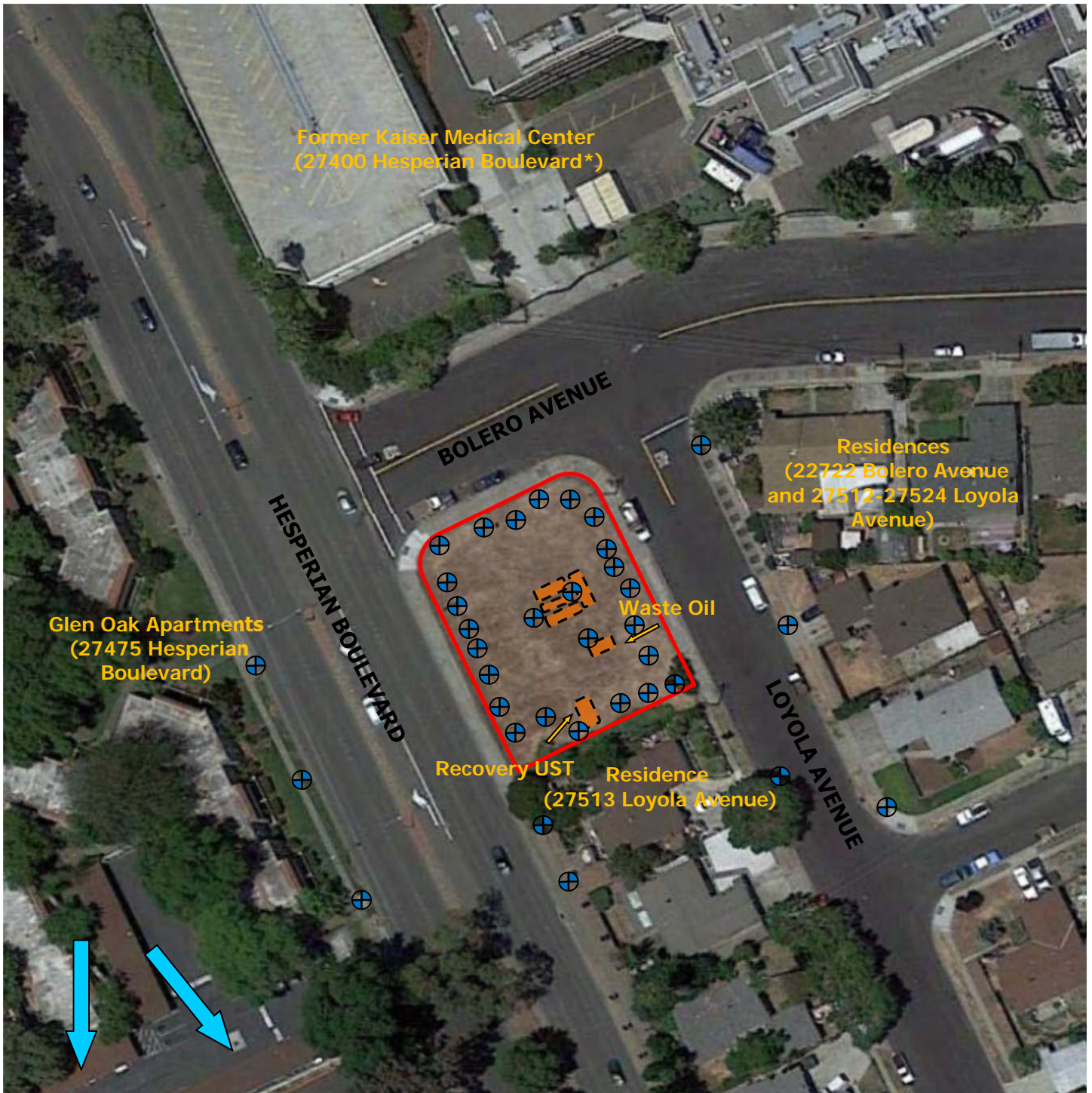


**Figure 1: TOPOGRAPHIC MAP**

27501 Loyola Avenue, Hayward, California 94545

Project Number: 335476

**AEI**  
Consultants



**Legend**

- Estimated Groundwater Flow Direction
- Approximate Property Boundary
- Listed in Environmental Database Report \*
- Former UST
- Former Monitoring Well



**Figure 2: SITE MAP**

27501 Loyola Avenue, Hayward, California 94545  
 Project Number: 335476



**APPENDIX A**  
**PROPERTY PHOTOGRAPHS**



1. View of the subject property from across Loyola Avenue, facing northwest.



2. View of the subject property from the intersection of Loyola Avenue and Bolero Avenue, facing southeast.



3. View of the subject property from across Bolero Avenue, facing south.



4. View of the west side of the subject property, facing south.





5. View of the west side of the subject property, facing north.



6. View of the subject property from the southwestern corner, facing north.



7. View of the south side of the subject property, facing east.



8. View of the east side of the subject property, facing north.



9. View of the subject property from the southeast corner, facing northwest.



10. View of the subject property from the central northern side of the subject property, facing south.



11. View of the adjacent site to the north from across Bolero Avenue.



12. View of one of the adjacent residences to the east, facing east.



13. View of the other two adjacent residences to the east, from across Loyola Avenue.



14. View of the adjacent site to the south from Loyola Avenue.



15. View of the adjacent apartments to the west from across Hesperian Boulevard.

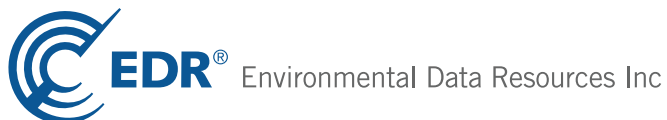
**APPENDIX B**  
**REGULATORY DATABASE**

**335476**

27501 Loyola Avenue  
Hayward, CA 94545

Inquiry Number: 4095122.1s  
October 03, 2014

## The EDR Radius Map™ Report



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

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## GEOCHECK ADDENDUM

GeoCheck - Not Requested

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

### **Disclaimer - Copyright and Trademark Notice**

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## EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

#### ADDRESS

27501 LOYOLA AVENUE  
HAYWARD, CA 94545

#### COORDINATES

Latitude (North): 37.6292000 - 37° 37' 45.12"  
Longitude (West): 122.0953000 - 122° 5' 43.08"  
Universal Transverse Mercator: Zone 10  
UTM X (Meters): 579831.4  
UTM Y (Meters): 4164855.2  
Elevation: 27 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 37122-F1 HAYWARD, CA  
Most Recent Revision: 1980  
  
South Map: 37122-E1 NEWARK, CA  
Most Recent Revision: 1999

### AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20120520  
Source: USDA

### TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

<u>Site</u>	<u>Database(s)</u>	<u>EPA ID</u>
SHELL STATION (CLOSED) 27501 LOYOLA HAYWARD, CA 94545	HIST CORTESE LUST Status: Completed - Case Closed  CA FID UST	N/A
GEORGE S SHELL SERVICE 27501 LOYOLA AVE HAYWARD, CA	EDR US Hist Auto Stat	N/A
SHELL STATION (CLOSED) 27501 LOYOLA AVE HAYWARD, CA 94545	HIST UST SWEEPS UST	N/A

## EXECUTIVE SUMMARY

SHELL  
27501 LOYOLA/ BOLERO  
HAYWARD, CA 94545

HAZNET

N/A

SHELL  
27501 LOYOLA AVE  
HAYWARD, CA

RGA LUST

N/A

### **DATABASES WITH NO MAPPED SITES**

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

### **STANDARD ENVIRONMENTAL RECORDS**

#### ***Federal NPL site list***

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

#### ***Federal Delisted NPL site list***

Delisted NPL..... National Priority List Deletions

#### ***Federal CERCLIS list***

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

#### ***Federal CERCLIS NFRAP site List***

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

#### ***Federal RCRA CORRACTS facilities list***

CORRACTS..... Corrective Action Report

#### ***Federal RCRA non-CORRACTS TSD facilities list***

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

#### ***Federal RCRA generators list***

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

#### ***Federal institutional controls / engineering controls registries***

US ENG CONTROLS..... Engineering Controls Sites List



## EXECUTIVE SUMMARY

US INST CONTROL..... Sites with Institutional Controls  
LUCIS..... Land Use Control Information System

### **Federal ERNS list**

ERNS..... Emergency Response Notification System

### **State- and tribal - equivalent NPL**

RESPONSE..... State Response Sites

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

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

### **State and tribal leaking storage tank lists**

Alameda County CS..... Contaminated Sites  
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

### **State and tribal registered storage tank lists**

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

### **State and tribal voluntary cleanup sites**

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

## **ADDITIONAL ENVIRONMENTAL RECORDS**

### **Local Brownfield lists**

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

### **Local Lists of Landfill / Solid Waste Disposal Sites**

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

### **Local Lists of Hazardous waste / Contaminated Sites**

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

### **Local Land Records**

LIENS 2..... CERCLA Lien Information

## EXECUTIVE SUMMARY

LIENS..... Environmental Liens Listing

### **Records of Emergency Release Reports**

HMIRS..... Hazardous Materials Information Reporting System  
CHMIRS..... California Hazardous Material Incident Report System  
LDS..... Land Disposal Sites Listing  
MCS..... Military Cleanup Sites Listing  
SPILLS 90..... SPILLS 90 data from FirstSearch

### **Other Ascertainable Records**

DOT OPS..... Incident and Accident Data  
DOD..... Department of Defense Sites  
FUDS..... Formerly Used Defense Sites  
CONSENT..... Superfund (CERCLA) Consent Decrees  
ROD..... Records Of Decision  
UMTRA..... Uranium Mill Tailings Sites  
US MINES..... Mines Master Index File  
TRIS..... Toxic Chemical Release Inventory System  
TSCA..... Toxic Substances Control Act  
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)  
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing  
SSTS..... Section 7 Tracking Systems  
ICIS..... Integrated Compliance Information System  
PADS..... PCB Activity Database System  
MLTS..... Material Licensing Tracking System  
RADINFO..... Radiation Information Database  
FINDS..... Facility Index System/Facility Registry System  
RAATS..... RCRA Administrative Action Tracking System  
RMP..... Risk Management Plans  
CA BOND EXP. PLAN..... Bond Expenditure Plan  
NPDES..... NPDES Permits Listing  
UIC..... UIC Listing  
Cortese..... "Cortese" Hazardous Waste & Substances Sites List  
CUPA Listings..... CUPA Resources List  
Notify 65..... Proposition 65 Records  
DRYCLEANERS..... Cleaner Facilities  
WIP..... Well Investigation Program Case List  
ENF..... Enforcement Action Listing  
EMI..... Emissions Inventory Data  
INDIAN RESERV..... Indian Reservations  
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing  
2020 COR ACTION..... 2020 Corrective Action Program List  
LEAD SMELTERS..... Lead Smelter Sites  
US AIRS..... Aerometric Information Retrieval System Facility Subsystem  
WDS..... Waste Discharge System  
PRP..... Potentially Responsible Parties  
US FIN ASSUR..... Financial Assurance Information  
COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List  
PCB TRANSFORMER..... PCB Transformer Registration Database  
MWMP..... Medical Waste Management Program Listing  
COAL ASH DOE..... Steam-Electric Plant Operation Data  
HWT..... Registered Hazardous Waste Transporter Database

## EXECUTIVE SUMMARY

HWP..... EnviroStor Permitted Facilities Listing  
Financial Assurance..... Financial Assurance Information Listing  
PROC..... Certified Processors Database  
EPA WATCH LIST..... EPA WATCH LIST

### EDR HIGH RISK HISTORICAL RECORDS

#### ***EDR Exclusive Records***

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

### EDR RECOVERED GOVERNMENT ARCHIVES

#### ***Exclusive Recovered Govt. Archives***

RGA LF..... Recovered Government Archive Solid Waste Facilities List

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

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

### STANDARD ENVIRONMENTAL RECORDS

#### ***Federal RCRA generators list***

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 is 1 RCRA-SQG site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b><i>KAISER HAYWARD MEDICAL CTR</i></b>	<b><i>27400 HESPERIAN BLVD</i></b>	<b><i>NNW 0 - 1/8 (0.113 mi.)</i></b>	<b><i>B7</i></b>	<b><i>17</i></b>

## EXECUTIVE SUMMARY

### **State- and tribal - equivalent CERCLIS**

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

A review of the ENVIROSTOR list, as provided by EDR, and dated 08/05/2014 has revealed that there are 6 ENVIROSTOR sites within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>FLINT INK</b> Status: Refer: Other Agency	<b>27403 INDUSTRIAL PARKWA</b>	<b>WSW 1/2 - 1 (0.598 mi.)</b>	<b>29</b>	<b>59</b>
<b>DREWRY PHOTOCOLOR CORP.</b> Status: Certified O&M - Land Use Restrictions Only Status: Refer: Other Agency	<b>27105 INDUSTRIAL BLVD</b>	<b>W 1/2 - 1 (0.718 mi.)</b>	<b>30</b>	<b>61</b>
ARDEN ROAD PROPERTY Status: Refer: RWQCB	ARDEN ROAD / DANTE COUR	SW 1/2 - 1 (0.885 mi.)	31	70
<b>EDEN SHORES</b> Status: No Further Action	<b>28505 HESPERIAN BOULEVA</b>	<b>SSE 1/2 - 1 (0.960 mi.)</b>	<b>G32</b>	<b>71</b>
EDEN SHORES EAST Status: No Further Action	MARINA DRIVE AND EDEN S	SSE 1/2 - 1 (0.967 mi.)	G33	75
26569-75 CORPORATE AVENUE SITE Status: Refer: RWQCB	26569-75 CORPORATE AVEN	WSW 1/2 - 1 (0.989 mi.)	34	76

### **State and tribal leaking storage tank lists**

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 LUST list, as provided by EDR, and dated 07/30/2014 has revealed that there are 8 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>CHEVRON SERVICE STATION</b> Status: Completed - Case Closed	<b>26990 HESPERIAN BLVD</b>	<b>NNW 1/4 - 1/2 (0.279 mi.)</b>	<b>E22</b>	<b>40</b>
<b>EXXON RS #7-0217</b> Status: Completed - Case Closed	<b>26978 HESPERIAN BLVD</b>	<b>NNW 1/4 - 1/2 (0.286 mi.)</b>	<b>E23</b>	<b>43</b>
<b>VALERO REFINING COMPANY C/O GE BP #11267</b> Status: Completed - Case Closed	<b>26978 HESPERIAN BLVD</b> <b>1974 TENNYSON RD W</b>	<b>NNW 1/4 - 1/2 (0.286 mi.)</b> <b>ENE 1/4 - 1/2 (0.332 mi.)</b>	<b>E24</b> <b>26</b>	<b>47</b> <b>48</b>
<b>ST ROSE HOSPITAL</b>	<b>27200 CALAROGA AVE</b>	<b>NE 1/4 - 1/2 (0.381 mi.)</b>	<b>F27</b>	<b>51</b>
<b>HAYWARD SISTERS HOSPIATLA DBA</b> Status: Completed - Case Closed	<b>27200 CALAROGA AVE</b>	<b>NE 1/4 - 1/2 (0.381 mi.)</b>	<b>F28</b>	<b>57</b>

## EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>ROTTEN ROBBIE #46</b> Status: Completed - Case Closed	<b>27814 HESPERIAN BLVD</b>	<b>SSE 1/8 - 1/4 (0.184 mi.)</b>	<b>C15</b>	<b>34</b>
ROTTEN ROBBIE	27814 HESPERIAN BLVD	SSE 1/8 - 1/4 (0.184 mi.)	C18	38

SLIC: SLIC Region comes from the California Regional Water Quality Control Board.

A review of the SLIC list, as provided by EDR, and dated 07/30/2014 has revealed that there is 1 SLIC site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>ART CLEANERS</b> Facility Status: Completed - Case Closed	<b>27312 HESPERIAN BLVD</b>	<b>NNW 1/8 - 1/4 (0.156 mi.)</b>	<b>B11</b>	<b>24</b>

### **State and tribal registered storage tank lists**

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 UST list, as provided by EDR, and dated 07/30/2014 has revealed that there are 3 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
KAISER PERMANENTE MEDICAL CENT	27400 HESPERIAN BLVD	NNW 0 - 1/8 (0.113 mi.)	B8	24
KAISER PERMANENTE MEDICAL CENT	27303 SLEEPY HOLLOW AVE	NNE 1/8 - 1/4 (0.239 mi.)	D20	39
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ROTTEN ROBBIE #46 / HESPERIAN-	27814 HESPERIAN BLVD	SSE 1/8 - 1/4 (0.184 mi.)	C19	39

### **ADDITIONAL ENVIRONMENTAL RECORDS**

#### **Local Lists of Landfill / Solid Waste Disposal Sites**

SWRCY: A listing of recycling facilities in California.

A review of the SWRCY list, as provided by EDR, and dated 06/16/2014 has revealed that there is 1 SWRCY site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
NEXCYCLE	27300 HESPERIAN BLVD	NNW 1/8 - 1/4 (0.161 mi.)	B14	33

## EXECUTIVE SUMMARY

### Local Lists of Registered Storage Tanks

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 2 CA FID UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>KAISER HAYWARD MEDICAL CTR</i>	<i>27400 HESPERIAN BLVD</i>	<i>NNW 0 - 1/8 (0.113 mi.)</i>	<i>B7</i>	<i>17</i>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>ROTTEN ROBBIE #46</i>	<i>27814 HESPERIAN BLVD</i>	<i>SSE 1/8 - 1/4 (0.184 mi.)</i>	<i>C15</i>	<i>34</i>

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 2 HIST UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>KAISER HAYWARD MEDICAL CTR</i>	<i>27400 HESPERIAN BLVD</i>	<i>NNW 0 - 1/8 (0.113 mi.)</i>	<i>B7</i>	<i>17</i>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>ROTTEN ROBBIE #46</i>	<i>27814 HESPERIAN BLVD</i>	<i>SSE 1/8 - 1/4 (0.184 mi.)</i>	<i>C16</i>	<i>37</i>

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 SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 3 SWEEPS UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>KAISER HAYWARD MEDICAL CTR</i>	<i>27400 HESPERIAN BLVD</i>	<i>NNW 0 - 1/8 (0.113 mi.)</i>	<i>B7</i>	<i>17</i>
<i>KAISER PERMANENTE</i>	<i>27303 SLEEPY HOLLOW AVE</i>	<i>NNE 1/8 - 1/4 (0.239 mi.)</i>	<i>D21</i>	<i>39</i>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>ROTTEN ROBBIE #46</i>	<i>27814 HESPERIAN BLVD</i>	<i>SSE 1/8 - 1/4 (0.184 mi.)</i>	<i>C15</i>	<i>34</i>

### Local Land Records

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 DEED list, as provided by EDR, and dated 06/09/2014 has revealed that there is 1 DEED

## EXECUTIVE SUMMARY

site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>ART CLEANERS</i>	<i>27312 HESPERIAN BLVD</i>	<i>NNW 1/8 - 1/4 (0.156 mi.)</i>	<i>B11</i>	<i>24</i>

### ***Other Ascertainable Records***

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

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 06/10/2014 has revealed that there is 1 RCRA NonGen / NLR site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>ART CLEANERS</i>	<i>27312 HESPERIAN BLVD</i>	<i>NNW 1/8 - 1/4 (0.156 mi.)</i>	<i>B12</i>	<i>31</i>

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 [CALSTITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 7 HIST CORTESE sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>ART CLEANERS</i>	<i>27312 HESPERIAN BLVD</i>	<i>NNW 1/8 - 1/4 (0.156 mi.)</i>	<i>B11</i>	<i>24</i>
<i>CHEVRON SERVICE STATION</i>	<i>26990 HESPERIAN BLVD</i>	<i>NNW 1/4 - 1/2 (0.279 mi.)</i>	<i>E22</i>	<i>40</i>
<i>EXXON RS #7-0217</i>	<i>26978 HESPERIAN BLVD</i>	<i>NNW 1/4 - 1/2 (0.286 mi.)</i>	<i>E23</i>	<i>43</i>
<i>BP #11267</i>	<i>1974 TENNYSON RD W</i>	<i>ENE 1/4 - 1/2 (0.332 mi.)</i>	<i>26</i>	<i>48</i>
<i>HAYWARD SISTERS HOSPIATLA DBA</i>	<i>27200 CALAROGA AVE</i>	<i>NE 1/4 - 1/2 (0.381 mi.)</i>	<i>F28</i>	<i>57</i>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>ROTTEN ROBBIE #46</i>	<i>27814 HESPERIAN BLVD</i>	<i>SSE 1/8 - 1/4 (0.184 mi.)</i>	<i>C15</i>	<i>34</i>
<i>HAYWARD FIRE STATION #4</i>	<i>27836 LOYOLA</i>	<i>SSE 1/4 - 1/2 (0.295 mi.)</i>	<i>25</i>	<i>48</i>

### **EDR HIGH RISK HISTORICAL RECORDS**

#### ***EDR Exclusive 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,

## EXECUTIVE SUMMARY

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 3 EDR US Hist Auto Stat sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	27546 CLIFFWOOD AVE	E 1/8 - 1/4 (0.139 mi.)	9	24
COLLIN FLYING A SERVICE	27350 HESPERIAN BLVD	NNW 1/8 - 1/4 (0.143 mi.)	B10	24
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MT EDEN GULF SERVICE	27814 HESPERIAN BLVD	SSE 1/8 - 1/4 (0.184 mi.)	C17	38

EDR US Hist 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.

A review of the EDR US Hist Cleaners list, as provided by EDR, has revealed that there are 2 EDR US Hist Cleaners sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LAUNDRY LAND CORP	27455 HESPERIAN BLVD	NW 0 - 1/8 (0.032 mi.)	A6	16
KWIK COIN LAUNDERETTE	27312 HESPERIAN BLVD	NNW 1/8 - 1/4 (0.156 mi.)	B13	33

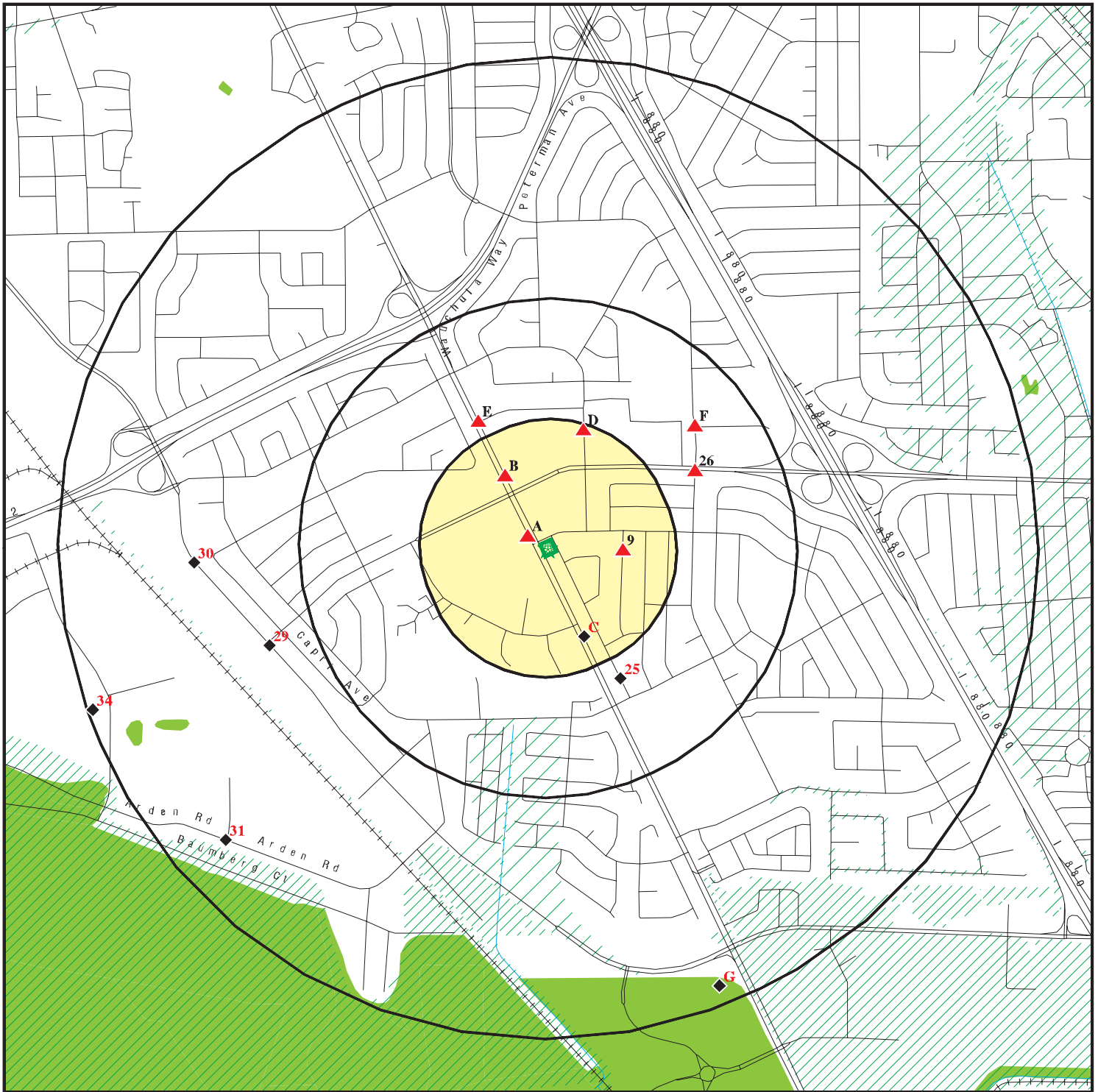


## EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 8 records.

<u>Site Name</u>	<u>Database(s)</u>
UNOCAL	HIST CORTESE
CITY OF HAYWARD OLIVER PROPERTY	Alameda County CS
AT & T WALPERT RIDGE (CAL202)	SWEEPS UST
CITY OF HAYWARD/FIRE STATION NO. 4	SWEEPS UST
BRANN STREET MERCURY	CERCLIS
CALTRANS 238 ONRAMP / GAS STATION	LUST
SM / HAYWARD BRIDGE	RCRA-SQG
ALAMEDA COUNTY ROUTE 92 IC RECONST	RCRA-LQG

# OVERVIEW MAP - 4095122.1S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Oil & Gas pipelines from USGS

100-year flood zone

500-year flood zone

National Wetland Inventory

Areas of Concern

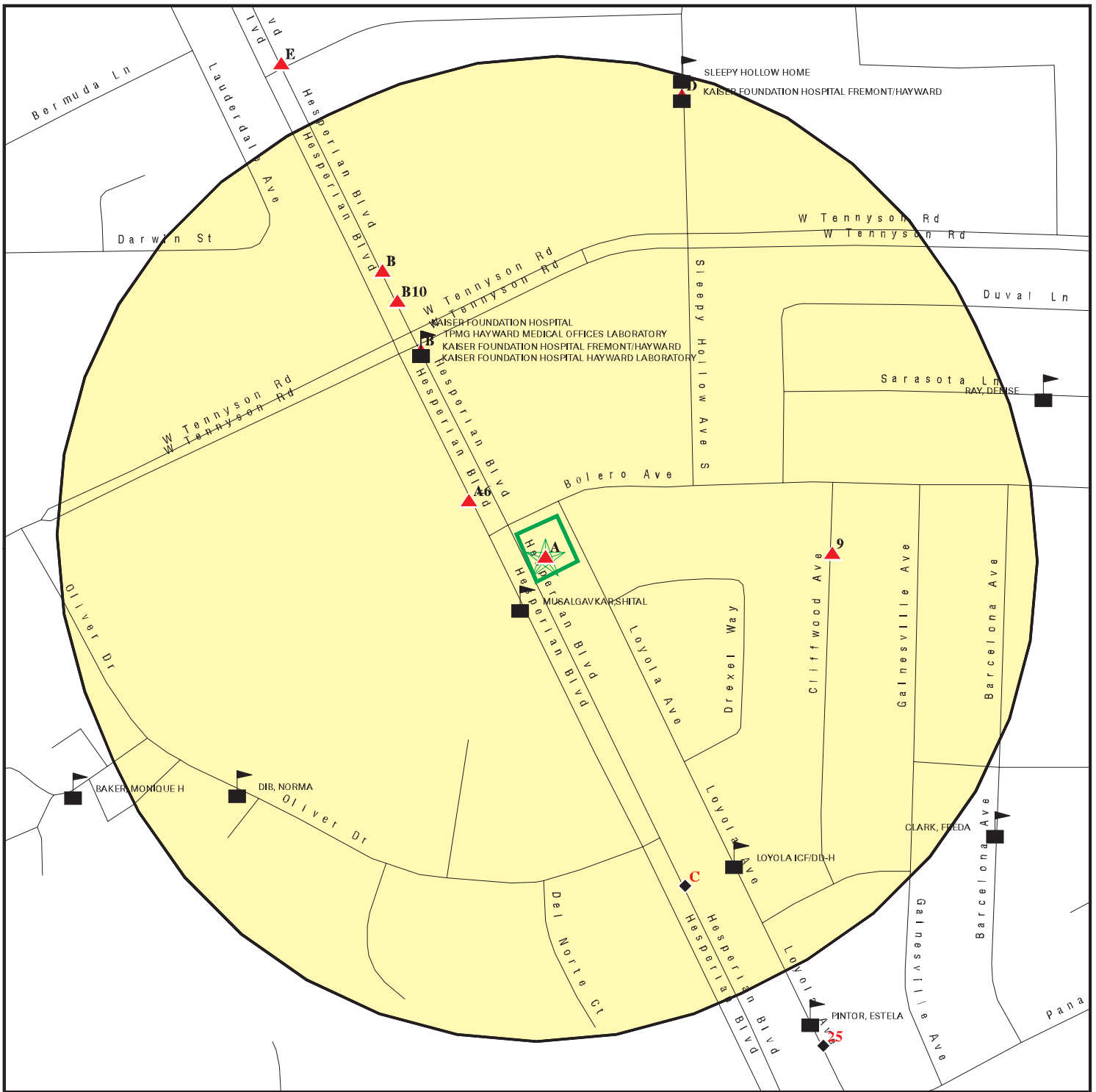


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 335476  
 ADDRESS: 27501 Loyola Avenue  
 Hayward CA 94545  
 LAT/LONG: 37.6292 / 122.0953

CLIENT: AEI Consultants  
 CONTACT: Darchell Hamilton  
 INQUIRY #: 4095122.1s  
 DATE: October 03, 2014 2:11 pm

# DETAIL MAP - 4095122.1S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Oil & Gas pipelines from USGS

100-year flood zone

500-year flood zone

Areas of Concern



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

SITE NAME: 335476  
 ADDRESS: 27501 Loyola Avenue  
 Hayward CA 94545  
 LAT/LONG: 37.6292 / 122.0953

CLIENT: AEI Consultants  
 CONTACT: Darchell Hamilton  
 INQUIRY #: 4095122.1s  
 DATE: October 03, 2014 2:12 pm

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b>STANDARD ENVIRONMENTAL RECORDS</b>								
<b><i>Federal NPL site list</i></b>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
<b><i>Federal Delisted NPL site list</i></b>								
Delisted NPL	1.000		0	0	0	0	NR	0
<b><i>Federal CERCLIS list</i></b>								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
<b><i>Federal CERCLIS NFRAP site List</i></b>								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA CORRACTS facilities list</i></b>								
CORRACTS	1.000		0	0	0	0	NR	0
<b><i>Federal RCRA non-CORRACTS TSD facilities list</i></b>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA generators list</i></b>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		1	0	NR	NR	NR	1
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
<b><i>Federal institutional controls / engineering controls registries</i></b>								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
<b><i>Federal ERNS list</i></b>								
ERNS	TP		NR	NR	NR	NR	NR	0
<b><i>State- and tribal - equivalent NPL RESPONSE</i></b>								
RESPONSE	1.000		0	0	0	0	NR	0
<b><i>State- and tribal - equivalent CERCLIS ENVIROSTOR</i></b>								
ENVIROSTOR	1.000		0	0	0	6	NR	6
<b><i>State and tribal landfill and/or solid waste disposal site lists</i></b>								
SWF/LF	0.500		0	0	0	NR	NR	0
<b><i>State and tribal leaking storage tank lists</i></b>								
LUST	0.500	1	0	2	6	NR	NR	9

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SLIC	0.500		0	1	0	NR	NR	1
Alameda County CS	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
<b>State and tribal registered storage tank lists</b>								
UST	0.250		1	2	NR	NR	NR	3
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
<b>State and tribal voluntary cleanup sites</b>								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
<b>ADDITIONAL ENVIRONMENTAL RECORDS</b>								
<b>Local Brownfield lists</b>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b>Local Lists of Landfill / Solid Waste Disposal Sites</b>								
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	1	0	NR	NR	1
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
<b>Local Lists of Hazardous waste / Contaminated Sites</b>								
US CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
<b>Local Lists of Registered Storage Tanks</b>								
CA FID UST	0.250	1	1	1	NR	NR	NR	3
HIST UST	0.250	1	1	1	NR	NR	NR	3
SWEEPS UST	0.250	1	1	2	NR	NR	NR	4
<b>Local Land Records</b>								
LIENS 2	TP		NR	NR	NR	NR	NR	0
LIENS	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	1	0	NR	NR	1
<b>Records of Emergency Release Reports</b>								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
<b>Other Ascertainable Records</b>								
RCRA NonGen / NLR	0.250		0	1	NR	NR	NR	1
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	NR	0
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
Cortese	0.500		0	0	0	NR	NR	0
HIST CORTESE	0.500	1	0	2	5	NR	NR	8
CUPA Listings	0.250		0	0	NR	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
HAZNET	TP	1	NR	NR	NR	NR	NR	1
EMI	TP		NR	NR	NR	NR	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
HWT	0.250		0	0	NR	NR	NR	0
HWP	1.000		0	0	0	0	NR	0

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Financial Assurance	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0

### **EDR HIGH RISK HISTORICAL RECORDS**

#### ***EDR Exclusive Records***

EDR MGP	1.000		0	0	0	0	NR	0
EDR US Hist Auto Stat	0.250	1	0	3	NR	NR	NR	4
EDR US Hist Cleaners	0.250		1	1	NR	NR	NR	2

### **EDR RECOVERED GOVERNMENT ARCHIVES**

#### ***Exclusive Recovered Govt. Archives***

RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP	1	NR	NR	NR	NR	NR	1

#### NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**A1**  
**Target**  
**Property**

**SHELL STATION (CLOSED)**  
**27501 LOYOLA**  
**HAYWARD, CA 94545**

**HIST CORTESE**  
**LUST**  
**CA FID UST**

**S101623731**  
**N/A**

**Site 1 of 6 in cluster A**

**Actual:**  
**27 ft.**

**HIST CORTESE:**

Region: CORTESE  
Facility County Code: 1  
Reg By: LTNKA  
Reg Id: 01-1348

**LUST:**

Region: STATE  
Global Id: T0600101243  
Latitude: 37.629235  
Longitude: -122.095228  
Case Type: LUST Cleanup Site  
Status: Completed - Case Closed  
Status Date: 07/16/2001  
Lead Agency: HAYWARD, CITY OF  
Case Worker: DMG  
Local Agency: HAYWARD, CITY OF  
RB Case Number: 01-1348  
LOC Case Number: 01-1348  
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: T0600101243  
Contact Type: Regional Board Caseworker  
Contact Name: Cherie McCaulou  
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)  
Address: 1515 CLAY STREET, SUITE 1400  
City: OAKLAND  
Email: cmccaulou@waterboards.ca.gov  
Phone Number: Not reported

Global Id: T0600101243  
Contact Type: Local Agency Caseworker  
Contact Name: DANILO M. GALANG  
Organization Name: HAYWARD, CITY OF  
Address: 777 B STREET  
City: HAYWARD  
Email: danny.galang@hayward-ca.gov  
Phone Number: Not reported

**Status History:**

Global Id: T0600101243  
Status: Completed - Case Closed  
Status Date: 07/16/2001

Global Id: T0600101243  
Status: Open - Site Assessment  
Status Date: 07/20/1987



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHELL STATION (CLOSED) (Continued)**

**S101623731**

Global Id: T0600101243  
Status: Open - Remediation  
Status Date: 11/13/1989

Global Id: T0600101243  
Status: Open - Remediation  
Status Date: 01/31/1990

Global Id: T0600101243  
Status: Open - Case Begin Date  
Status Date: 07/31/1984

Global Id: T0600101243  
Status: Open - Site Assessment  
Status Date: 07/31/1984

Global Id: T0600101243  
Status: Open - Site Assessment  
Status Date: 11/15/1984

Regulatory Activities:

Global Id: T0600101243  
Action Type: Other  
Date: 01/01/1950  
Action: Leak Discovery

Global Id: T0600101243  
Action Type: Other  
Date: 01/01/1950  
Action: Leak Reported

Global Id: T0600101243  
Action Type: Other  
Date: 01/01/1950  
Action: Leak Stopped

LUST REG 2:

Region: 2  
Facility Id: 01-1348  
Facility Status: Case Closed  
Case Number: 01-1348  
How Discovered: Tank Closure  
Leak Cause: Structure Failure  
Leak Source: Tank  
Date Leak Confirmed: 7/20/1987  
Oversight Program: LUST  
Prelim. Site Assessment Workplan Submitted: Not reported  
Preliminary Site Assessment Began: 7/31/1984  
Pollution Characterization Began: 11/15/1984  
Pollution Remediation Plan Submitted: 11/13/1989  
Date Remediation Action Underway: 1/31/1990  
Date Post Remedial Action Monitoring Began: Not reported

CA FID UST:

Facility ID: 01001460

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHELL STATION (CLOSED) (Continued)**

**S101623731**

Regulated By: UTNKI  
Regulated ID: 00032390  
Cortese Code: Not reported  
SIC Code: Not reported  
Facility Phone: Not reported  
Mail To: Not reported  
Mailing Address: P O BOX  
Mailing Address 2: Not reported  
Mailing City,St,Zip: HAYWARD 94545  
Contact: Not reported  
Contact Phone: Not reported  
DUNS Number: Not reported  
NPDES Number: Not reported  
EPA ID: Not reported  
Comments: Not reported  
Status: Inactive

**A2  
Target  
Property**

**GEORGE S SHELL SERVICE  
27501 LOYOLA AVE  
HAYWARD, CA**

**EDR US Hist Auto Stat 1009011596  
N/A**

**Site 2 of 6 in cluster A**

**Actual:  
27 ft.**

**EDR Historical Auto Stations:**

Name: GEORGE S SHELL SERVICE  
Year: 1959  
Type: GASOLINE STATIONS  
  
Name: CARPENTER S SUPER SHELL SERVICE  
Year: 1970  
Type: GASOLINE STATIONS  
  
Name: STANLEY BILL SUPER SHELL SERVICE  
Year: 1976  
Type: GASOLINE STATIONS

**A3  
Target  
Property**

**SHELL STATION (CLOSED)  
27501 LOYOLA AVE  
HAYWARD, CA 94545**

**HIST UST U001597170  
SWEEPS UST N/A**

**Site 3 of 6 in cluster A**

**Actual:  
27 ft.**

**HIST UST:**

Region: STATE  
Facility ID: 00000032390  
Facility Type: Gas Station  
Other Type: Not reported  
Total Tanks: 0009  
Contact Name: STANLEY J. ROLLER ENGINEER  
Telephone: 0000000000  
Owner Name: SHELL OIL CO  
Owner Address: P.O. BOX 4848  
Owner City,St,Zip: ANAHEIM, CA 92803  
  
Tank Num: 001  
Container Num: 1

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHELL STATION (CLOSED) (Continued)**

**U001597170**

Year Installed: 1970  
Tank Capacity: 00008000  
Tank Used for: PRODUCT  
Type of Fuel: UNLEADED  
Tank Construction: 1/4 inches  
Leak Detection: Stock Inventor

Tank Num: 002  
Container Num: 2  
Year Installed: 1958  
Tank Capacity: 00005000  
Tank Used for: PRODUCT  
Type of Fuel: REGULAR  
Tank Construction: 1/4 inches  
Leak Detection: Stock Inventor

Tank Num: 003  
Container Num: 3  
Year Installed: 1958  
Tank Capacity: 00005000  
Tank Used for: PRODUCT  
Type of Fuel: REGULAR  
Tank Construction: 1/4 inches  
Leak Detection: Stock Inventor

Tank Num: 004  
Container Num: 4  
Year Installed: 1958  
Tank Capacity: 00005000  
Tank Used for: PRODUCT  
Type of Fuel: UNLEADED  
Tank Construction: 1/4 inches  
Leak Detection: Stock Inventor

Tank Num: 005  
Container Num: 5  
Year Installed: 1958  
Tank Capacity: 00000000  
Tank Used for: WASTE  
Type of Fuel: WASTE OIL  
Tank Construction: 1/4 inches  
Leak Detection: Stock Inventor

Tank Num: 006  
Container Num: 1  
Year Installed: 1969  
Tank Capacity: 00008000  
Tank Used for: PRODUCT  
Type of Fuel: UNLEADED  
Tank Construction: 1/4 inches  
Leak Detection: Stock Inventor

Tank Num: 007  
Container Num: 2  
Year Installed: 1969  
Tank Capacity: 00008000  
Tank Used for: PRODUCT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHELL STATION (CLOSED) (Continued)**

**U001597170**

Type of Fuel: REGULAR  
Tank Construction: 1/4 inches  
Leak Detection: Stock Inventor

Tank Num: 008  
Container Num: 4  
Year Installed: 1969  
Tank Capacity: 00000550  
Tank Used for: PRODUCT  
Type of Fuel: WASTE OIL  
Tank Construction: 1/4 inches  
Leak Detection: Stock Inventor

Tank Num: 009  
Container Num: 3  
Year Installed: 1969  
Tank Capacity: 00000000  
Tank Used for: PRODUCT  
Type of Fuel: PREMIUM  
Tank Construction: 1/4 inches  
Leak Detection: Stock Inventor

**SWEEPS UST:**

Status: Not reported  
Comp Number: 32390  
Number: Not reported  
Board Of Equalization: 44-000074  
Referral Date: Not reported  
Action Date: Not reported  
Created Date: Not reported  
Owner Tank Id: Not reported  
SWRCB Tank Id: 01-003-032390-000001  
Tank Status: Not reported  
Capacity: 8000  
Active Date: Not reported  
Tank Use: M.V. FUEL  
STG: PRODUCT  
Content: REG UNLEADED  
Number Of Tanks: 9

Status: Not reported  
Comp Number: 32390  
Number: Not reported  
Board Of Equalization: 44-000074  
Referral Date: Not reported  
Action Date: Not reported  
Created Date: Not reported  
Owner Tank Id: Not reported  
SWRCB Tank Id: 01-003-032390-000002  
Tank Status: Not reported  
Capacity: 5000  
Active Date: Not reported  
Tank Use: M.V. FUEL  
STG: PRODUCT  
Content: LEADED  
Number Of Tanks: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHELL STATION (CLOSED) (Continued)**

**U001597170**

Status: Not reported  
Comp Number: 32390  
Number: Not reported  
Board Of Equalization: 44-000074  
Referral Date: Not reported  
Action Date: Not reported  
Created Date: Not reported  
Owner Tank Id: Not reported  
SWRCB Tank Id: 01-003-032390-000003  
Tank Status: Not reported  
Capacity: 5000  
Active Date: Not reported  
Tank Use: M.V. FUEL  
STG: PRODUCT  
Content: LEADED  
Number Of Tanks: Not reported

Status: Not reported  
Comp Number: 32390  
Number: Not reported  
Board Of Equalization: 44-000074  
Referral Date: Not reported  
Action Date: Not reported  
Created Date: Not reported  
Owner Tank Id: Not reported  
SWRCB Tank Id: 01-003-032390-000004  
Tank Status: Not reported  
Capacity: 5000  
Active Date: Not reported  
Tank Use: M.V. FUEL  
STG: PRODUCT  
Content: REG UNLEADED  
Number Of Tanks: Not reported

Status: Not reported  
Comp Number: 32390  
Number: Not reported  
Board Of Equalization: 44-000074  
Referral Date: Not reported  
Action Date: Not reported  
Created Date: Not reported  
Owner Tank Id: Not reported  
SWRCB Tank Id: 01-003-032390-000005  
Tank Status: Not reported  
Capacity: 1  
Active Date: Not reported  
Tank Use: OIL  
STG: WASTE  
Content: WASTE OIL  
Number Of Tanks: Not reported

Status: Not reported  
Comp Number: 32390  
Number: Not reported  
Board Of Equalization: 44-000074  
Referral Date: Not reported  
Action Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHELL STATION (CLOSED) (Continued)**

**U001597170**

Created Date: Not reported  
Owner Tank Id: Not reported  
SWRCB Tank Id: 01-003-032390-000006  
Tank Status: Not reported  
Capacity: 8000  
Active Date: Not reported  
Tank Use: M.V. FUEL  
STG: PRODUCT  
Content: REG UNLEADED  
Number Of Tanks: Not reported

Status: Not reported  
Comp Number: 32390  
Number: Not reported  
Board Of Equalization: 44-000074  
Referral Date: Not reported  
Action Date: Not reported  
Created Date: Not reported  
Owner Tank Id: Not reported  
SWRCB Tank Id: 01-003-032390-000007  
Tank Status: Not reported  
Capacity: 8000  
Active Date: Not reported  
Tank Use: M.V. FUEL  
STG: PRODUCT  
Content: LEADED  
Number Of Tanks: Not reported

Status: Not reported  
Comp Number: 32390  
Number: Not reported  
Board Of Equalization: 44-000074  
Referral Date: Not reported  
Action Date: Not reported  
Created Date: Not reported  
Owner Tank Id: Not reported  
SWRCB Tank Id: 01-003-032390-000008  
Tank Status: Not reported  
Capacity: 550  
Active Date: Not reported  
Tank Use: OIL  
STG: WASTE  
Content: WASTE OIL  
Number Of Tanks: Not reported

Status: Not reported  
Comp Number: 32390  
Number: Not reported  
Board Of Equalization: 44-000074  
Referral Date: Not reported  
Action Date: Not reported  
Created Date: Not reported  
Owner Tank Id: Not reported  
SWRCB Tank Id: 01-003-032390-000009  
Tank Status: Not reported  
Capacity: 1  
Active Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHELL STATION (CLOSED) (Continued)**

**U001597170**

Tank Use: M.V. FUEL  
STG: PRODUCT  
Content: REG UNLEADED  
Number Of Tanks: Not reported

**A4  
Target  
Property**

**SHELL  
27501 LOYOLA/ BOLERO  
HAYWARD, CA 94545**

**HAZNET S113068822  
N/A**

**Site 4 of 6 in cluster A**

**Actual:  
27 ft.**

**HAZNET:**

Year: 1998  
Gepaid: CAL000122376  
Contact: EQUILON ENTERPRISES LLC  
Telephone: 7132412258  
Mailing Name: Not reported  
Mailing Address: PO BOX 4453  
Mailing City,St,Zip: HOUSTON, TX 772104453  
Gen County: Not reported  
TSD EPA ID: CAT000646117  
TSD County: Not reported  
Waste Category: Invalid waste code  
Disposal Method: Transfer Station  
Tons: .0000  
Facility County: 1

Year: 1993  
Gepaid: CAL000122376  
Contact: EQUILON ENTERPRISES LLC  
Telephone: 7132412258  
Mailing Name: Not reported  
Mailing Address: PO BOX 4453  
Mailing City,St,Zip: HOUSTON, TX 772104453  
Gen County: Not reported  
TSD EPA ID: CAD009452657  
TSD County: Not reported  
Waste Category: Aqueous solution with total organic residues less than 10 percent  
Disposal Method: Recycler  
Tons: 1.4595  
Facility County: 1

Year: 1993  
Gepaid: CAL000122376  
Contact: EQUILON ENTERPRISES LLC  
Telephone: 7132412258  
Mailing Name: Not reported  
Mailing Address: PO BOX 4453  
Mailing City,St,Zip: HOUSTON, TX 772104453  
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: 0.75  
Facility County: 1

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**A5**  
**Target**  
**Property**

**SHELL**  
**27501 LOYOLA AVE**  
**HAYWARD, CA**

**RGA LUST**

**S114689795**  
**N/A**

**Site 5 of 6 in cluster A**

**Actual:**  
**27 ft.**

RGA LUST:

2012	SHELL	27501 LOYOLA AVE
2011	SHELL	27501 LOYOLA AVE
2010	SHELL	27501 LOYOLA AVE
2009	SHELL	27501 LOYOLA AVE
2008	SHELL	27501 LOYOLA AVE
2007	SHELL	27501 LOYOLA AVE
2006	SHELL	27501 LOYOLA AVE
2005	SHELL	27501 LOYOLA AVE
2003	SHELL	27501 LOYOLA AVE
2002	SHELL	27501 LOYOLA AVE
2001	SHELL	27501 LOYOLA AVE
2000	SHELL	27501 LOYOLA AVE
1998	SHELL	27501 LOYOLA AVE
1997	SHELL	27501 LOYOLA AVE
1996	SHELL	27501 LOYOLA AVE
1995	SHELL	27501 LOYOLA AVE
1994	SHELL	27501 LOYOLA AVE
1993	SHELL	27501 LOYOLA AVE

**A6**  
**NW**  
**< 1/8**  
**0.032 mi.**  
**169 ft.**

**LAUNDRY LAND CORP**  
**27455 HESPERIAN BLVD**  
**HAYWARD, CA**

**EDR US Hist Cleaners**

**1009140205**  
**N/A**

**Site 6 of 6 in cluster A**

**Relative:**  
**Higher**

EDR Historical Cleaners:

Name: LAUNDRY LAND CORP  
Year: 1976  
Type: LAUNDRIES SELF SERVE

**Actual:**  
**28 ft.**

Name: FRIENDLY WASH COIN LAUNDRY  
Year: 1999  
Address: 27455 HESPERIAN BLVD

Name: FRIENDLY WASH COIN LAUNDRY  
Year: 2000  
Address: 27455 HESPERIAN BLVD

Name: FRIENDLY WASH COIN LAUNDRY  
Year: 2002  
Address: 27455 HESPERIAN BLVD

Name: FRIENDLY WASH COIN LAUNDRY  
Year: 2003  
Address: 27455 HESPERIAN BLVD

Name: FRIENDLY WASH LAUNDRY  
Year: 2004  
Address: 27455 HESPERIAN BLVD

Name: FRIENDLY WASH COIN LAUNDRY  
Year: 2005  
Address: 27455 HESPERIAN BLVD



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LAUNDRY LAND CORP (Continued)**

**1009140205**

Name: FRIENDLY WASH COIN LAUNDRY  
Year: 2006  
Address: 27455 HESPERIAN BLVD

Name: FRIENDLY WASH COIN LAUNDRY  
Year: 2007  
Address: 27455 HESPERIAN BLVD

Name: FRIENDLY WASH COIN LAUNDRY  
Year: 2008  
Address: 27455 HESPERIAN BLVD

Name: FRIENDLY WASH COIN LAUNDRY  
Year: 2009  
Address: 27455 HESPERIAN BLVD

Name: FRIENDLY WASH COIN LAUNDRY  
Year: 2010  
Address: 27455 HESPERIAN BLVD

Name: FRIENDLY WASH COIN LAUNDRY  
Year: 2011  
Address: 27455 HESPERIAN BLVD

Name: FRIENDLY WASH COIN LAUNDRY  
Year: 2012  
Address: 27455 HESPERIAN BLVD

**B7  
NNW  
< 1/8  
0.113 mi.  
596 ft.**

**KAISER HAYWARD MEDICAL CTR  
27400 HESPERIAN BLVD  
HAYWARD, CA 94545  
Site 1 of 7 in cluster B**

**RCRA-SQG 1000380356  
CA FID UST CAD981427610  
HIST UST  
SWEEPS UST  
EMI**

**Relative:  
Higher**

RCRA-SQG:

**Actual:  
29 ft.**

Date form received by agency: 02/01/2004  
Facility name: KAISER HAYWARD MEDICAL CTR  
Facility address: 27400 HESPERIAN BLVD  
HAYWARD, CA 94545  
EPA ID: CAD981427610  
Contact: JAY MURPHY  
Contact address: Not reported  
Not reported  
Contact country: Not reported  
Contact telephone: (510) 784-4672  
Contact email: JAY.MURPHY@KP.ORG  
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: KAISER FOUNDATION HOSPITAL

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KAISER HAYWARD MEDICAL CTR (Continued)**

**1000380356**

Owner/operator address: 27400 HESPERIAN BLVD.  
HAYWARD, CA 94545  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 01/01/1951  
Owner/Op end date: Not reported

Owner/operator name: KAISER FOUNDATION HOSPITAL  
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: 01/01/1968  
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: 02/01/2004  
Site name: KAISER HAYWARD MEDICAL CTR  
Classification: Large Quantity Generator

Date form received by agency: 03/19/2002  
Site name: KAISER FOUNDATION HOSPITAL - HAYWARD  
Classification: Large Quantity Generator

Date form received by agency: 10/12/2000  
Site name: HAYWARD KAISER MEDICAL CENTER  
Classification: Large Quantity Generator

Date form received by agency: 03/04/1999  
Site name: KAISER PERMANENTE HOSPITAL - HAYWARD  
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996  
Site name: KAISER PERMANENTE  
Classification: Large Quantity Generator

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KAISER HAYWARD MEDICAL CTR (Continued)**

**1000380356**

Date form received by agency: 03/28/1996  
Site name: KAISER PERMENENTE  
Classification: Large Quantity Generator

Date form received by agency: 03/30/1994  
Site name: KAISER PERMANENTE MEDICAL CENTER  
Classification: Large Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 12/14/2010  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 02/05/2009  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

CA FID UST:

Facility ID: 01002894  
Regulated By: UTNKA  
Regulated ID: 00040908  
Cortese Code: Not reported  
SIC Code: Not reported  
Facility Phone: Not reported  
Mail To: Not reported  
Mailing Address: 27400 HESPERIAN BLVD  
Mailing Address 2: Not reported  
Mailing City,St,Zip: HAYWARD 94545  
Contact: Not reported  
Contact Phone: Not reported  
DUNs Number: Not reported  
NPDES Number: Not reported  
EPA ID: Not reported  
Comments: Not reported  
Status: Active

HIST UST:

Region: STATE  
Facility ID: 00000040908  
Facility Type: Other  
Other Type: HOSPITAL  
Total Tanks: 0001  
Contact Name: R.L. HARRISON  
Telephone: 4157845251  
Owner Name: KAISER PERMANENT MEDICAL GROUP  
Owner Address: 1924 BROADWAY  
Owner City,St,Zip: OAKLAND, CA 94604

Tank Num: 001  
Container Num: DO 725  
Year Installed: 1984

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KAISER HAYWARD MEDICAL CTR (Continued)**

**1000380356**

Tank Capacity: 00010000  
Tank Used for: PRODUCT  
Type of Fuel: DIESEL  
Tank Construction: Not reported  
Leak Detection: Sensor Instrument

**SWEEPS UST:**

Status: Active  
Comp Number: 40908  
Number: 1  
Board Of Equalization: 44-000887  
Referral Date: 07-08-93  
Action Date: 03-24-94  
Created Date: 02-29-88  
Owner Tank Id: DO-725  
SWRCB Tank Id: 01-003-040908-000001  
Tank Status: A  
Capacity: 10000  
Active Date: 05-18-90  
Tank Use: M.V. FUEL  
STG: P  
Content: DIESEL  
Number Of Tanks: 1

**EMI:**

Year: 1990  
County Code: 1  
Air Basin: SF  
Facility ID: 3933  
Air District Name: BA  
SIC Code: 8062  
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: 4  
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: 1  
Air Basin: SF  
Facility ID: 3933  
Air District Name: BA  
SIC Code: 8062  
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  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KAISER HAYWARD MEDICAL CTR (Continued)**

**1000380356**

Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smlr Tons/Yr:	0
Year:	2003
County Code:	1
Air Basin:	SF
Facility ID:	3933
Air District Name:	BA
SIC Code:	8062
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 & Smlr Tons/Yr:	0
Year:	2004
County Code:	1
Air Basin:	SF
Facility ID:	3933
Air District Name:	BA
SIC Code:	8062
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:	0.015
Reactive Organic Gases Tons/Yr:	0.0125505
Carbon Monoxide Emissions Tons/Yr:	0.045
NOX - Oxides of Nitrogen Tons/Yr:	0.201
SOX - Oxides of Sulphur Tons/Yr:	0.003
Particulate Matter Tons/Yr:	0.015
Part. Matter 10 Micrometers & Smlr Tons/Yr:	0.01464
Year:	2005
County Code:	1
Air Basin:	SF
Facility ID:	3933
Air District Name:	BA
SIC Code:	8062
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:	.103
Reactive Organic Gases Tons/Yr:	.0161219
Carbon Monoxide Emissions Tons/Yr:	.037
NOX - Oxides of Nitrogen Tons/Yr:	.101
SOX - Oxides of Sulphur Tons/Yr:	.003
Particulate Matter Tons/Yr:	.008
Part. Matter 10 Micrometers & Smlr Tons/Yr:	.007844
Year:	2006
County Code:	1
Air Basin:	SF

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KAISER HAYWARD MEDICAL CTR (Continued)**

**1000380356**

Facility ID: 3933  
Air District Name: BA  
SIC Code: 8062  
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: .217  
Reactive Organic Gases Tons/Yr: .0265415  
Carbon Monoxide Emissions Tons/Yr: .061  
NOX - Oxides of Nitrogen Tons/Yr: .126  
SOX - Oxides of Sulphur Tons/Yr: .005  
Particulate Matter Tons/Yr: .011  
Part. Matter 10 Micrometers & Smlr Tons/Yr: .010772

Year: 2007  
County Code: 1  
Air Basin: SF  
Facility ID: 3933  
Air District Name: BA  
SIC Code: 8062  
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: .217  
Reactive Organic Gases Tons/Yr: .0265415  
Carbon Monoxide Emissions Tons/Yr: .061  
NOX - Oxides of Nitrogen Tons/Yr: .126  
SOX - Oxides of Sulphur Tons/Yr: .005  
Particulate Matter Tons/Yr: .011  
Part. Matter 10 Micrometers & Smlr Tons/Yr: .010772

Year: 2008  
County Code: 1  
Air Basin: SF  
Facility ID: 3933  
Air District Name: BA  
SIC Code: 8062  
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: 14.694  
Reactive Organic Gases Tons/Yr: 1.3467581  
Carbon Monoxide Emissions Tons/Yr: 37.895  
NOX - Oxides of Nitrogen Tons/Yr: 22.543  
SOX - Oxides of Sulphur Tons/Yr: .032  
Particulate Matter Tons/Yr: .106  
Part. Matter 10 Micrometers & Smlr Tons/Yr: .105274

Year: 2009  
County Code: 1  
Air Basin: SF  
Facility ID: 3933  
Air District Name: BA  
SIC Code: 8062  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KAISER HAYWARD MEDICAL CTR (Continued)**

**1000380356**

Total Organic Hydrocarbon Gases Tons/Yr: 7.499999999999997E-2  
Reactive Organic Gases Tons/Yr: 0.006855  
Carbon Monoxide Emissions Tons/Yr: 0.16400000000000001  
NOX - Oxides of Nitrogen Tons/Yr: 0.108  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2010  
County Code: 1  
Air Basin: SF  
Facility ID: 3933  
Air District Name: BA  
SIC Code: 8062  
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: 15.545999999999999  
Reactive Organic Gases Tons/Yr: 1.4231403  
Carbon Monoxide Emissions Tons/Yr: 40.058  
NOX - Oxides of Nitrogen Tons/Yr: 23.808  
SOX - Oxides of Sulphur Tons/Yr: 3.2000000000000001E-2  
Particulate Matter Tons/Yr: 0.110719645743312  
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0.11

Year: 2011  
County Code: 1  
Air Basin: SF  
Facility ID: 3933  
Air District Name: BA  
SIC Code: 8062  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 1.222  
Reactive Organic Gases Tons/Yr: 0.1139267  
Carbon Monoxide Emissions Tons/Yr: 3.046  
NOX - Oxides of Nitrogen Tons/Yr: 1.846  
SOX - Oxides of Sulphur Tons/Yr: 0.003  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2012  
County Code: 1  
Air Basin: SF  
Facility ID: 3933  
Air District Name: BA  
SIC Code: 8062  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 1.208  
Reactive Organic Gases Tons/Yr: 0.1156283  
Carbon Monoxide Emissions Tons/Yr: 3.02  
NOX - Oxides of Nitrogen Tons/Yr: 1.876  
SOX - Oxides of Sulphur Tons/Yr: 0.003  
Particulate Matter Tons/Yr: 0.014214384669

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**KAISER HAYWARD MEDICAL CTR (Continued)**

**1000380356**

Part. Matter 10 Micrometers & Smlr Tons/Yr: 0.014

**B8  
NNW  
< 1/8  
0.113 mi.  
596 ft.**

**KAISER PERMANENTE MEDICAL CENTER  
27400 HESPERIAN BLVD  
HAYWARD, CA 94545**

**UST U003776536  
N/A**

**Site 2 of 7 in cluster B**

**Relative:  
Higher**

UST:  
Facility ID: 01-003-022901  
Latitude: 37.6319574  
Longitude: -122.0938218  
Permitting Agency: HAYWARD, CITY OF

**Actual:  
29 ft.**

**9  
East  
1/8-1/4  
0.139 mi.  
732 ft.**

**27546 CLIFFWOOD AVE  
HAYWARD, CA 94545**

**EDR US Hist Auto Stat 1015383269  
N/A**

**Relative:  
Higher**

EDR Historical Auto Stations:  
Name: THE AUTO MOBILE TOUCH UP  
Year: 2002  
Address: 27546 CLIFFWOOD AVE

**Actual:  
29 ft.**

**B10  
NNW  
1/8-1/4  
0.143 mi.  
753 ft.**

**COLLIN FLYING A SERVICE  
27350 HESPERIAN BLVD  
HAYWARD, CA**

**EDR US Hist Auto Stat 1009011186  
N/A**

**Site 3 of 7 in cluster B**

**Relative:  
Higher**

EDR Historical Auto Stations:  
Name: COLLIN FLYING A SERVICE  
Year: 1965  
Type: GASOLINE STATIONS  
  
Name: OLIVER CORNERS-66-<SERVICE  
Year: 1970  
Type: GASOLINE STATIONS

**Actual:  
30 ft.**

**B11  
NNW  
1/8-1/4  
0.156 mi.  
826 ft.**

**ART CLEANERS  
27312 HESPERIAN BLVD  
HAYWARD, CA 94545**

**HIST CORTESE S100865984  
SLIC N/A  
DEED  
EMI**

**Site 4 of 7 in cluster B**

**Relative:  
Higher**

HIST CORTESE:  
Region: CORTESE  
Facility County Code: 1  
Reg By: LTNKA  
Reg Id: 2519

**Actual:  
30 ft.**



MAP FINDINGS

**ART CLEANERS (Continued)**

**S100865984**

**SLIC:**

Region: STATE  
**Facility Status: Completed - Case Closed**  
Status Date: 01/30/2012  
Global Id: T10000000336  
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)  
Lead Agency Case Number: Not reported  
Latitude: 37.632019  
Longitude: -122.097279  
Case Type: Cleanup Program Site  
Case Worker: MYL  
Local Agency: Not reported  
RB Case Number: 01S0693  
File Location: Regional Board  
Potential Media Affected: Soil  
Potential Contaminants of Concern: Tetrachloroethylene (PCE)  
Site History: The subject property, consisting of an approximately 1,000-square foot single-story unit, is part of a multi-tenant commercial center located in a mixed commercial and residential area of Hayward. Historical records indicated that the subject property operated as a dry cleaning facility since the building construction in 1965. Prior to that, the property was undeveloped land. In September 2010, the dry cleaning equipment was decommissioned and removed from the site. In October and November 2010, approximately 75 tons (50 cubic yards) of PCE-impacted soil was excavated and transported offsite for disposal. Low levels of PCE were detected in each of the confirmation soil samples but only one collected at the northeast corner of the excavated area exceeded the Regional Water Boards Environmental Screening Level (ESL) for commercial/industrial land use. Low levels of PCE were also detected in confirmation groundwater samples but none exceeded the ESLs for drinking water or vapor intrusion. On November 2, 2011, a land use covenant and environmental restriction was recorded with the County of Alameda which restricts use of the subject property to industrial, commercial, or office space and prohibits the drilling of water supply wells on the property.

[Click here to access the California GeoTracker records for this facility:](#)

**DEED:**

Area: Not reported  
Sub Area: Not reported  
Site Type: SLIC  
Status: COMPLETED - CASE CLOSED  
Agency: SWRCB  
Covenant Upload: Not reported  
Deed Date(s): 11/02/2011  
EDR Link ID: T10000000336

**EMI:**

Year: 1987  
County Code: 1  
Air Basin: SF  
Facility ID: 2519  
Air District Name: BA  
SIC Code: 7216  
Air District Name: BAY AREA AQMD

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ART CLEANERS (Continued)**

**S100865984**

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: 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 & Smlr Tons/Yr: 0

Year: 1990  
County Code: 1  
Air Basin: SF  
Facility ID: 2519  
Air District Name: BA  
SIC Code: 7216  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 2  
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 & Smlr Tons/Yr: 0

Year: 1993  
County Code: 1  
Air Basin: SF  
Facility ID: 2519  
Air District Name: BA  
SIC Code: 7216  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 0  
Reactive Organic Gases Tons/Yr: 0  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1996  
County Code: 1  
Air Basin: SF  
Facility ID: 2519  
Air District Name: BA  
SIC Code: 7216  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 0  
Reactive Organic Gases Tons/Yr: 0  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ART CLEANERS (Continued)**

**S100865984**

SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smlr Tons/Yr:	0
Year:	1997
County Code:	1
Air Basin:	SF
Facility ID:	2519
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smlr Tons/Yr:	0
Year:	1998
County Code:	1
Air Basin:	SF
Facility ID:	2519
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smlr Tons/Yr:	0
Year:	1999
County Code:	1
Air Basin:	SF
Facility ID:	2519
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smlr Tons/Yr:	0
Year:	2000
County Code:	1

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ART CLEANERS (Continued)**

**S100865984**

Air Basin: SF  
Facility ID: 2519  
Air District Name: BA  
SIC Code: 7216  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 0  
Reactive Organic Gases Tons/Yr: 0  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2001  
County Code: 1  
Air Basin: SF  
Facility ID: 2519  
Air District Name: BA  
SIC Code: 7216  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 0  
Reactive Organic Gases Tons/Yr: 0  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2002  
County Code: 1  
Air Basin: SF  
Facility ID: 2519  
Air District Name: BA  
SIC Code: 7216  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 0  
Reactive Organic Gases Tons/Yr: 0  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2003  
County Code: 1  
Air Basin: SF  
Facility ID: 2519  
Air District Name: BA  
SIC Code: 7216  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ART CLEANERS (Continued)**

**S100865984**

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 & Smlr Tons/Yr: 0

Year: 2004  
County Code: 1  
Air Basin: SF  
Facility ID: 2519  
Air District Name: BA  
SIC Code: 7216  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 0.067  
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 & Smlr Tons/Yr: 0

Year: 2005  
County Code: 1  
Air Basin: SF  
Facility ID: 2519  
Air District Name: BA  
SIC Code: 7216  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 0  
Reactive Organic Gases Tons/Yr: 0  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2006  
County Code: 1  
Air Basin: SF  
Facility ID: 2519  
Air District Name: BA  
SIC Code: 7216  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: .067  
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  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ART CLEANERS (Continued)**

**S100865984**

Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smlr Tons/Yr:	0
Year:	2007
County Code:	1
Air Basin:	SF
Facility ID:	2519
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.067
Reactive Organic Gases Tons/Yr:	.0468062
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 & Smlr Tons/Yr:	0
Year:	2008
County Code:	1
Air Basin:	SF
Facility ID:	2519
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.067
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 & Smlr Tons/Yr:	0
Year:	2009
County Code:	1
Air Basin:	SF
Facility ID:	2519
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	6.7000000000000004E-2
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 & Smlr Tons/Yr:	0
Year:	2010
County Code:	1
Air Basin:	SF

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**ART CLEANERS (Continued)**

**S100865984**

Facility ID: 2519  
 Air District Name: BA  
 SIC Code: 7216  
 Air District Name: BAY AREA AQMD  
 Community Health Air Pollution Info System: Not reported  
 Consolidated Emission Reporting Rule: Not reported  
 Total Organic Hydrocarbon Gases Tons/Yr: 6.700000000000004E-2  
 Reactive Organic Gases Tons/Yr: 4.680619999999999E-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 & Smlr Tons/Yr: 0

Year: 2011  
 County Code: 1  
 Air Basin: SF  
 Facility ID: 2519  
 Air District Name: BA  
 SIC Code: 7216  
 Air District Name: BAY AREA AQMD  
 Community Health Air Pollution Info System: Not reported  
 Consolidated Emission Reporting Rule: Not reported  
 Total Organic Hydrocarbon Gases Tons/Yr: 0.067  
 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 & Smlr Tons/Yr: 0

**B12**  
**NNW**  
**1/8-1/4**  
**0.156 mi.**  
**826 ft.**

**ART CLEANERS**  
**27312 HESPERIAN BLVD**  
**HAYWARD, CA 94545**

**RCRA NonGen / NLR** **1000266703**  
**FINDS** **CAD981580871**

**Site 5 of 7 in cluster B**

**Relative:**  
**Higher**

RCRA NonGen / NLR:

Date form received by agency: 11/25/1986  
 Facility name: KWIK KLEAN CLEANERS  
 Facility address: 27312 HESPERIAN BLVD  
 HAYWARD, CA 94545  
 EPA ID: CAD981580871  
 Mailing address: HESPERIAN BLVD  
 HAYWARD, CA 94545  
 Contact: ENVIRONMENTAL MANAGER  
 Contact address: 27312 HESPERIAN BLVD  
 HAYWARD, CA 94545  
 Contact country: US  
 Contact telephone: (415) 555-1212  
 Contact email: Not reported  
 EPA Region: 09  
 Classification: Non-Generator  
 Description: Handler: Non-Generators do not presently generate hazardous waste

**Actual:**  
**30 ft.**

Owner/Operator Summary:

Owner/operator name: SANG DUNG

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ART CLEANERS (Continued)**

**1000266703**

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  
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: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110001198891

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.

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY



Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**B13**  
**NNW**  
**1/8-1/4**  
**0.156 mi.**  
**826 ft.**

**KWIK COIN LAUNDERETTE**  
**27312 HESPERIAN BLVD**  
**HAYWARD, CA**

**EDR US Hist Cleaners**

**1009139730**  
**N/A**

**Site 6 of 7 in cluster B**

**Relative:**  
**Higher**

EDR Historical Cleaners:

**Actual:**  
**30 ft.**

- Name: KWIK COIN LAUNDERETTE
- Year: 1965
- Type: LAUNDRIES SELF SERVE
  
- Name: KWIK COIN LAUNDERETTE
- Year: 1970
- Type: LAUNDRIES-SELF SERVE
  
- Name: KWIK CLEANERS
- Year: 1970
- Type: CLEANERS AND DYERS
  
- Name: KWIK COIN LAUNDERETTE
- Year: 1976
- Type: LAUNDRIES SELF SERVE
  
- Name: KWIK KLEANING CENTER
- Year: 1976
- Type: CLEANERS AND DYERS
  
- Name: ART CLEANERS
- Year: 1999
- Address: 27312 HESPERIAN BLVD
  
- Name: ART CLEANERS
- Year: 2000
- Address: 27312 HESPERIAN BLVD
  
- Name: ART CLEANERS
- Year: 2004
- Address: 27312 HESPERIAN BLVD
  
- Name: ART CLEANERS
- Year: 2011
- Address: 27312 HESPERIAN BLVD
  
- Name: ART CLEANERS
- Year: 2012
- Address: 27312 HESPERIAN BLVD

**B14**  
**NNW**  
**1/8-1/4**  
**0.161 mi.**  
**850 ft.**

**NEXCYCLE**  
**27300 HESPERIAN BLVD**  
**HAYWARD, CA 94545**

**SWRCY**

**S102801339**  
**N/A**

**Site 7 of 7 in cluster B**

**Relative:**  
**Higher**

SWRCY:

**Actual:**  
**30 ft.**

- Reg Id: 76448
- Cert Id: RC76448.001
- Mailing Address: 9910 E 6th St
- Mailing City: Rancho Cucamonga
- Mailing State: CA
- Mailing Zip Code: 91730

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NEXCYCLE (Continued)**

**S102801339**

Website: Not reported  
Phone Number: (408) 501-8873  
Grand Father: N  
Rural: N  
Operation Begin Date: 01/25/2011  
Aluminium: Y  
Glass: Y  
Plastic: Y  
Bimetal: Y  
Agency: N/A  
Monday Hours Of Operation: CLOSED  
Tuesday Hours Of Operation: 10:00 am - 4:30 pm; Closed 12:00 pm - 12:30 pm  
Wednesday Hours Of Operation: 10:00 am - 4:30 pm; Closed 12:00 pm - 12:30 pm  
Thursday Hours Of Operation: 10:00 am - 4:30 pm; Closed 12:00 pm - 12:30 pm  
Friday Hours Of Operation: 10:00 am - 4:30 pm; Closed 12:00 pm - 12:30 pm  
Saturday Hours Of Operation: 10:00 am - 4:30 pm; Closed 12:00 pm - 12:30 pm  
Sunday Hours Of Operation: CLOSED  
Cert Status: Operational  
Organization ID: 18826  
Organization Name: Contain-A-Way Inc  
Agency Reg ID: N/A  
Operation End Date: Not reported

**C15  
SSE  
1/8-1/4  
0.184 mi.  
972 ft.**

**ROTTEN ROBBIE #46  
27814 HESPERIAN BLVD  
HAYWARD, CA 94545**

**Site 1 of 5 in cluster C**

**HIST CORTESE  
LUST  
CA FID UST  
SWEEPS UST**

**S101623727  
N/A**

**Relative:  
Lower**

HIST CORTESE:  
Region: CORTESE  
Facility County Code: 1  
Reg By: LTNKA  
Reg Id: 01-1262

**Actual:  
23 ft.**

LUST:  
Region: STATE  
Global Id: T0600101160  
Latitude: 37.624928  
Longitude: -122.092611  
Case Type: LUST Cleanup Site  
Status: Completed - Case Closed  
Status Date: 07/03/2001  
Lead Agency: HAYWARD, CITY OF  
Case Worker: DMG  
Local Agency: HAYWARD, CITY OF  
RB Case Number: 01-1262  
LOC Case Number: 01-1262  
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: T0600101160  
Contact Type: Regional Board Caseworker

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROTTEN ROBBIE #46 (Continued)**

**S101623727**

Contact Name: Cherie McCaulou  
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)  
Address: 1515 CLAY STREET, SUITE 1400  
City: OAKLAND  
Email: cmccaulou@waterboards.ca.gov  
Phone Number: Not reported

Global Id: T0600101160  
Contact Type: Local Agency Caseworker  
Contact Name: DANILO M. GALANG  
Organization Name: HAYWARD, CITY OF  
Address: 777 B STREET  
City: HAYWARD  
Email: danny.galang@hayward-ca.gov  
Phone Number: Not reported

Status History:

Global Id: T0600101160  
Status: Completed - Case Closed  
Status Date: 07/03/2001

Global Id: T0600101160  
Status: Open - Site Assessment  
Status Date: 01/27/1989

Global Id: T0600101160  
Status: Open - Case Begin Date  
Status Date: 05/31/1986

Global Id: T0600101160  
Status: Open - Site Assessment  
Status Date: 05/31/1986

Regulatory Activities:

Global Id: T0600101160  
Action Type: Other  
Date: 01/01/1950  
Action: Leak Discovery

Global Id: T0600101160  
Action Type: Other  
Date: 01/01/1950  
Action: Leak Reported

Global Id: T0600101160  
Action Type: Other  
Date: 01/01/1950  
Action: Leak Stopped

CA FID UST:

Facility ID: 01001379  
Regulated By: UTNKA  
Regulated ID: 00031198  
Cortese Code: Not reported  
SIC Code: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROTTEN ROBBIE #46 (Continued)**

**S101623727**

Facility Phone: Not reported  
Mail To: Not reported  
Mailing Address: 4250 WILLIAMS RD  
Mailing Address 2: Not reported  
Mailing City,St,Zip: HAYWARD 94545  
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: 31198  
Number: 3  
Board Of Equalization: 44-000872  
Referral Date: 07-08-93  
Action Date: 07-08-93  
Created Date: 02-29-88  
Owner Tank Id: 46-01  
SWRCB Tank Id: 01-003-031198-000001  
Tank Status: A  
Capacity: 12000  
Active Date: 05-23-90  
Tank Use: M.V. FUEL  
STG: P  
Content: REG UNLEADED  
Number Of Tanks: 4

Status: Active  
Comp Number: 31198  
Number: 3  
Board Of Equalization: 44-000872  
Referral Date: 07-08-93  
Action Date: 07-08-93  
Created Date: 02-29-88  
Owner Tank Id: 46-02  
SWRCB Tank Id: 01-003-031198-000002  
Tank Status: A  
Capacity: 12000  
Active Date: 05-23-90  
Tank Use: M.V. FUEL  
STG: P  
Content: REG UNLEADED  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 31198  
Number: 3  
Board Of Equalization: 44-000872  
Referral Date: 07-08-93  
Action Date: 07-08-93  
Created Date: 02-29-88  
Owner Tank Id: 46-03  
SWRCB Tank Id: 01-003-031198-000003

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROTTEN ROBBIE #46 (Continued)**

**S101623727**

Tank Status: A  
Capacity: 12000  
Active Date: 05-23-90  
Tank Use: M.V. FUEL  
STG: P  
Content: PRM UNLEADED  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 31198  
Number: 3  
Board Of Equalization: 44-000872  
Referral Date: 07-08-93  
Action Date: 07-08-93  
Created Date: 02-29-88  
Owner Tank Id: 46-04  
SWRCB Tank Id: 01-003-031198-000004  
Tank Status: A  
Capacity: 12000  
Active Date: 05-23-90  
Tank Use: M.V. FUEL  
STG: P  
Content: DIESEL  
Number Of Tanks: Not reported

**C16**  
**SSE**  
**1/8-1/4**  
**0.184 mi.**  
**972 ft.**

**ROTTEN ROBBIE #46**  
**27814 HESPERIAN BLVD**  
**HAYWARD, CA 94545**  
**Site 2 of 5 in cluster C**

**HIST UST** **U001597165**  
**N/A**

**Relative:**  
**Lower**

HIST UST:  
Region: STATE  
Facility ID: 00000031198  
Facility Type: Gas Station  
Other Type: Not reported  
Total Tanks: 0003  
Contact Name: TOM ROBINSON  
Telephone: 4082527720  
Owner Name: MISSION TRAIL OIL W.  
Owner Address: 4250 WILLIAMS RD  
Owner City,St,Zip: SAN JOSE, CA 95129

**Actual:**  
**23 ft.**

Tank Num: 001  
Container Num: 46-01  
Year Installed: 1965  
Tank Capacity: 00010000  
Tank Used for: PRODUCT  
Type of Fuel: REGULAR  
Tank Construction: 1/4 inches  
Leak Detection: Stock Inventor, 10

Tank Num: 002  
Container Num: 46-02  
Year Installed: 1965  
Tank Capacity: 00008000  
Tank Used for: PRODUCT  
Type of Fuel: UNLEADED

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROTTEN ROBBIE #46 (Continued)**

**U001597165**

Tank Construction: 1/4 inches  
Leak Detection: Stock Inventor, 10

Tank Num: 003  
Container Num: 46-03  
Year Installed: 1965  
Tank Capacity: 00008000  
Tank Used for: PRODUCT  
Type of Fuel: PREMIUM  
Tank Construction: 1/4 inches  
Leak Detection: Stock Inventor, 10

**C17  
SSE  
1/8-1/4  
0.184 mi.  
972 ft.**

**MT EDEN GULF SERVICE  
27814 HESPERIAN BLVD  
HAYWARD, CA**

**EDR US Hist Auto Stat 1009013397  
N/A**

**Site 3 of 5 in cluster C**

**Relative:  
Lower**

EDR Historical Auto Stations:

Name: BANE S GULF SERVICE  
Year: 1970  
Type: GASOLINE STATIONS

**Actual:  
23 ft.**

Name: MT EDEN GULF SERVICE  
Year: 1976  
Type: GASOLINE STATIONS

**C18  
SSE  
1/8-1/4  
0.184 mi.  
972 ft.**

**ROTTEN ROBBIE  
27814 HESPERIAN BLVD  
HAYWARD, CA 94545**

**LUST S106176190  
N/A**

**Site 4 of 5 in cluster C**

**Relative:  
Lower**

LUST REG 2:

Region: 2  
Facility Id: 01-1262  
Facility Status: Case Closed  
Case Number: 01-1262  
How Discovered: Tank Closure  
Leak Cause: Structure Failure  
Leak Source: Tank  
Date Leak Confirmed: Not reported  
Oversight Program: LUST  
Prelim. Site Assessment Workplan Submitted: Not reported  
Preliminary Site Assessment Began: 5/31/1986  
Pollution Characterization Began: 1/27/1989  
Pollution Remediation Plan Submitted: Not reported  
Date Remediation Action Underway: Not reported  
Date Post Remedial Action Monitoring Began: Not reported

MAP FINDINGS

Map ID			EDR ID Number
Direction			EPA ID Number
Distance			
Elevation	Site	Database(s)	

<b>C19</b>	<b>ROTTEN ROBBIE #46 / HESPERIAN-NIEVES</b>	<b>UST</b>	<b>U003941406</b>
<b>SSE</b>	<b>27814 HESPERIAN BLVD</b>		<b>N/A</b>
<b>1/8-1/4</b>	<b>HAYWARD, CA 94545</b>		
<b>0.184 mi.</b>			
<b>972 ft.</b>	<b>Site 5 of 5 in cluster C</b>		

<b>Relative:</b>	<b>UST:</b>		
<b>Lower</b>	Facility ID:	01-003-023001	
	Latitude:	37.626367	
<b>Actual:</b>	Longitude:	-122.0913477	
<b>23 ft.</b>	Permitting Agency:	HAYWARD, CITY OF	

<b>D20</b>	<b>KAISER PERMANENTE MEDICAL CENTER</b>	<b>UST</b>	<b>U003776487</b>
<b>NNE</b>	<b>27303 SLEEPY HOLLOW AVE</b>		<b>N/A</b>
<b>1/8-1/4</b>	<b>HAYWARD, CA 94545</b>		
<b>0.239 mi.</b>			
<b>1262 ft.</b>	<b>Site 1 of 2 in cluster D</b>		

<b>Relative:</b>	<b>UST:</b>		
<b>Higher</b>	Facility ID:	01-003-044001	
	Latitude:	37.633604	
<b>Actual:</b>	Longitude:	-122.09324	
<b>34 ft.</b>	Permitting Agency:	HAYWARD, CITY OF	

<b>D21</b>	<b>KAISER PERMANENTE</b>	<b>SWEEPS UST</b>	<b>S106928062</b>
<b>NNE</b>	<b>27303 SLEEPY HOLLOW AVE</b>		<b>N/A</b>
<b>1/8-1/4</b>	<b>HAYWARD, CA 94545</b>		
<b>0.239 mi.</b>			
<b>1262 ft.</b>	<b>Site 2 of 2 in cluster D</b>		

<b>Relative:</b>	<b>SWEEPS UST:</b>		
<b>Higher</b>	Status:	Active	
	Comp Number:	440	
<b>Actual:</b>	Number:	1	
<b>34 ft.</b>	Board Of Equalization:	Not reported	
	Referral Date:	07-06-93	
	Action Date:	03-24-94	
	Created Date:	07-06-93	
	Owner Tank Id:	1	
	SWRCB Tank Id:	01-003-000440-000001	
	Tank Status:	A	
	Capacity:	1000	
	Active Date:	07-06-93	
	Tank Use:	PETROLEUM	
	STG:	P	
	Content:	DIESEL	
	Number Of Tanks:	1	

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**E22**  
**NNW**  
**1/4-1/2**  
**0.279 mi.**  
**1472 ft.**

**CHEVRON SERVICE STATION**  
**26990 HESPERIAN BLVD**  
**HAYWARD, CA 94545**

**Site 1 of 3 in cluster E**

**HIST CORTESE**  
**LUST**  
**CA FID UST**  
**SWEEPS UST**

**S101579999**  
**N/A**

**Relative:**  
**Higher**

HIST CORTESE:  
Region: CORTESE  
Facility County Code: 1  
Reg By: LTNKA  
Reg Id: 01-0351

**Actual:**  
**31 ft.**

LUST:

Region: STATE  
Global Id: T0600100323  
Latitude: 37.632966506  
Longitude: -122.097214  
Case Type: LUST Cleanup Site  
Status: Completed - Case Closed  
Status Date: 11/12/2004  
Lead Agency: HAYWARD, CITY OF  
Case Worker: DMG  
Local Agency: HAYWARD, CITY OF  
RB Case Number: 01-0351  
LOC Case Number: 01-0351  
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: T0600100323  
Contact Type: Regional Board Caseworker  
Contact Name: Cherie McCaulou  
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)  
Address: 1515 CLAY STREET, SUITE 1400  
City: OAKLAND  
Email: cmccaulou@waterboards.ca.gov  
Phone Number: Not reported

Global Id: T0600100323  
Contact Type: Local Agency Caseworker  
Contact Name: DANILO M. GALANG  
Organization Name: HAYWARD, CITY OF  
Address: 777 B STREET  
City: HAYWARD  
Email: danny.galang@hayward-ca.gov  
Phone Number: Not reported

Status History:

Global Id: T0600100323  
Status: Open - Site Assessment  
Status Date: 07/12/1989

Global Id: T0600100323  
Status: Completed - Case Closed  
Status Date: 11/12/2004



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEVRON SERVICE STATION (Continued)**

**S101579999**

Global Id: T0600100323  
Status: Open - Site Assessment  
Status Date: 09/20/1988

Global Id: T0600100323  
Status: Open - Site Assessment  
Status Date: 03/19/1991

Global Id: T0600100323  
Status: Open - Case Begin Date  
Status Date: 09/20/1988

Regulatory Activities:

Global Id: T0600100323  
Action Type: Other  
Date: 01/01/1950  
Action: Leak Reported

Global Id: T0600100323  
Action Type: Other  
Date: 01/01/1950  
Action: Leak Stopped

Global Id: T0600100323  
Action Type: Other  
Date: 01/01/1950  
Action: Leak Discovery

LUST REG 2:

Region: 2  
Facility Id: 01-0351  
Facility Status: Pollution Characterization  
Case Number: 01-0351  
How Discovered: Tank Closure  
Leak Cause: Structure Failure  
Leak Source: Tank  
Date Leak Confirmed: 9/20/1988  
Oversight Program: LUST  
Prelim. Site Assessment Workplan Submitted: Not reported  
Preliminary Site Assessment Began: 7/12/1989  
Pollution Characterization Began: 3/19/1991  
Pollution Remediation Plan Submitted: Not reported  
Date Remediation Action Underway: Not reported  
Date Post Remedial Action Monitoring Began: Not reported

CA FID UST:

Facility ID: 01000481  
Regulated By: UTNKA  
Regulated ID: 000030025  
Cortese Code: Not reported  
SIC Code: Not reported  
Facility Phone: 5108875838  
Mail To: Not reported  
Mailing Address: P O BOX  
Mailing Address 2: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEVRON SERVICE STATION (Continued)**

**S101579999**

Mailing City,St,Zip: HAYWARD 94545  
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: 62323  
Number: 2  
Board Of Equalization: 44-000949  
Referral Date: 08-09-93  
Action Date: 06-17-94  
Created Date: 02-29-88  
Owner Tank Id: WC8586C  
SWRCB Tank Id: 01-003-062323-000001  
Tank Status: A  
Capacity: 10000  
Active Date: 08-09-93  
Tank Use: M.V. FUEL  
STG: P  
Content: REG UNLEADED  
Number Of Tanks: 4

Status: Active  
Comp Number: 62323  
Number: 2  
Board Of Equalization: 44-000949  
Referral Date: 08-09-93  
Action Date: 06-17-94  
Created Date: 02-29-88  
Owner Tank Id: WC8586C  
SWRCB Tank Id: 01-003-062323-000002  
Tank Status: A  
Capacity: 10000  
Active Date: 01-19-93  
Tank Use: M.V. FUEL  
STG: P  
Content: REG UNLEADED  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 62323  
Number: 2  
Board Of Equalization: 44-000949  
Referral Date: 08-09-93  
Action Date: 06-17-94  
Created Date: 02-29-88  
Owner Tank Id: WC8586C  
SWRCB Tank Id: 01-003-062323-000003  
Tank Status: A  
Capacity: 10000  
Active Date: 08-09-93  
Tank Use: M.V. FUEL

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEVRON SERVICE STATION (Continued)**

**S101579999**

STG: P  
 Content: PREMIUM UNLE  
 Number Of Tanks: Not reported

Status: Active  
 Comp Number: 62323  
 Number: 2  
 Board Of Equalization: 44-000949  
 Referral Date: 08-09-93  
 Action Date: 06-17-94  
 Created Date: 02-29-88  
 Owner Tank Id: WC8586C  
 SWRCB Tank Id: 01-003-062323-000004  
 Tank Status: A  
 Capacity: 1000  
 Active Date: 08-09-93  
 Tank Use: OIL  
 STG: W  
 Content: WASTE OIL  
 Number Of Tanks: Not reported

**E23  
NNW  
1/4-1/2  
0.286 mi.  
1512 ft.**

**EXXON RS #7-0217  
26978 HESPERIAN BLVD  
HAYWARD, CA 94545  
Site 2 of 3 in cluster E**

**HIST CORTESE  
LUST  
CA FID UST  
SWEEPS UST**

**S101580445  
N/A**

**Relative:  
Higher**

HIST CORTESE:  
 Region: CORTESE  
 Facility County Code: 1  
 Reg By: LTNKA  
 Reg Id: 01-2186

**Actual:  
31 ft.**

LUST:  
 Region: STATE  
 Global Id: T0600102009  
 Latitude: 37.6333595719943  
 Longitude: -122.097630500793  
 Case Type: LUST Cleanup Site  
 Status: Completed - Case Closed  
 Status Date: 09/27/2010  
 Lead Agency: HAYWARD, CITY OF  
 Case Worker: DMG  
 Local Agency: HAYWARD, CITY OF  
 RB Case Number: 01-2186  
 LOC Case Number: 01-2186  
 File Location: Local Agency  
 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: T0600102009  
 Contact Type: Regional Board Caseworker  
 Contact Name: MARCIA Y. LIAO  
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EXXON RS #7-0217 (Continued)**

**S101580445**

Address: 1515 CLAY STREET, SUITE 1400  
City: OAKLAND  
Email: mliao@waterboards.ca.gov  
Phone Number: Not reported

Global Id: T0600102009  
Contact Type: Local Agency Caseworker  
Contact Name: DANILO M. GALANG  
Organization Name: HAYWARD, CITY OF  
Address: 777 B STREET  
City: HAYWARD  
Email: danny.galang@hayward-ca.gov  
Phone Number: Not reported

Status History:

Global Id: T0600102009  
Status: Open - Verification Monitoring  
Status Date: 12/05/1997

Global Id: T0600102009  
Status: Open - Verification Monitoring  
Status Date: 07/19/2010

Global Id: T0600102009  
Status: Completed - Case Closed  
Status Date: 09/27/2010

Global Id: T0600102009  
Status: Open - Referred  
Status Date: 01/17/2010

Global Id: T0600102009  
Status: Open - Case Begin Date  
Status Date: 11/12/1996

Global Id: T0600102009  
Status: Open - Site Assessment  
Status Date: 11/12/1996

Regulatory Activities:

Global Id: T0600102009  
Action Type: Other  
Date: 01/01/1950  
Action: Leak Discovery

Global Id: T0600102009  
Action Type: ENFORCEMENT  
Date: 09/27/2010  
Action: Closure/No Further Action Letter

Global Id: T0600102009  
Action Type: RESPONSE  
Date: 08/01/2009  
Action: Request for Closure

Global Id: T0600102009

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EXXON RS #7-0217 (Continued)**

**S101580445**

Action Type: Other  
Date: 01/01/1950  
Action: Leak Reported

Global Id: T0600102009  
Action Type: ENFORCEMENT  
Date: 01/17/2010  
Action: Referral to Regional Board

Global Id: T0600102009  
Action Type: Other  
Date: 01/01/1950  
Action: Leak Stopped

**CA FID UST:**

Facility ID: 01002882  
Regulated By: UTNKA  
Regulated ID: 00016138  
Cortese Code: Not reported  
SIC Code: Not reported  
Facility Phone: 5108875580  
Mail To: Not reported  
Mailing Address: 4550 DACOMA  
Mailing Address 2: Not reported  
Mailing City,St,Zip: HAYWARD 94545  
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: 16138  
Number: 1  
Board Of Equalization: 44-000217  
Referral Date: 07-08-93  
Action Date: 07-08-93  
Created Date: 02-29-88  
Owner Tank Id: 1  
SWRCB Tank Id: 01-003-016138-000001  
Tank Status: A  
Capacity: 10000  
Active Date: 10-21-92  
Tank Use: M.V. FUEL  
STG: P  
Content: REG UNLEADED  
Number Of Tanks: 5

Status: Active  
Comp Number: 16138  
Number: 1  
Board Of Equalization: 44-000217

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EXXON RS #7-0217 (Continued)**

**S101580445**

Referral Date: 07-08-93  
Action Date: 07-08-93  
Created Date: 02-29-88  
Owner Tank Id: 2  
SWRCB Tank Id: 01-003-016138-000002  
Tank Status: A  
Capacity: 10000  
Active Date: 10-21-92  
Tank Use: M.V. FUEL  
STG: P  
Content: REG UNLEADED  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 16138  
Number: 1  
Board Of Equalization: 44-000217  
Referral Date: 07-08-93  
Action Date: 07-08-93  
Created Date: 02-29-88  
Owner Tank Id: 3  
SWRCB Tank Id: 01-003-016138-000003  
Tank Status: A  
Capacity: 10000  
Active Date: 10-21-92  
Tank Use: M.V. FUEL  
STG: P  
Content: PRM UNLEADED  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 16138  
Number: 1  
Board Of Equalization: 44-000217  
Referral Date: 07-08-93  
Action Date: 07-08-93  
Created Date: 02-29-88  
Owner Tank Id: 4  
SWRCB Tank Id: 01-003-016138-000004  
Tank Status: A  
Capacity: 10000  
Active Date: 10-21-92  
Tank Use: M.V. FUEL  
STG: P  
Content: DIESEL  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 16138  
Number: 1  
Board Of Equalization: 44-000217  
Referral Date: 07-08-93  
Action Date: 07-08-93  
Created Date: 02-29-88  
Owner Tank Id: 5  
SWRCB Tank Id: 01-003-016138-000005  
Tank Status: A

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EXXON RS #7-0217 (Continued)**

**S101580445**

Capacity: 550  
Active Date: 10-21-92  
Tank Use: PETROLEUM  
STG: W  
Content: WASTE OIL  
Number Of Tanks: Not reported

**E24  
NNW  
1/4-1/2  
0.286 mi.  
1512 ft.**

**VALERO REFINING COMPANY C/O GE  
26978 HESPERIAN BLVD  
HAYWARD, CA 94541**

**LUST S105194221  
EMI N/A**

**Site 3 of 3 in cluster E**

**Relative:  
Higher**

LUST REG 2:

Region: 2  
Facility Id: 01-2186  
Facility Status: Post remedial action monitoring  
Case Number: 01-2186  
How Discovered: Tank Closure  
Leak Cause: UNK  
Leak Source: Tank  
Date Leak Confirmed: 11/12/1996  
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: 12/5/1997

**Actual:  
31 ft.**

EMI:

Year: 2006  
County Code: 1  
Air Basin: SF  
Facility ID: 18269  
Air District Name: BA  
SIC Code: 711  
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: .025  
Reactive Organic Gases Tons/Yr: .017465  
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 & Smlr Tons/Yr: 0

Year: 2007  
County Code: 1  
Air Basin: SF  
Facility ID: 18269  
Air District Name: BA  
SIC Code: 711  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**VALERO REFINING COMPANY C/O GE (Continued)**

**S105194221**

Total Organic Hydrocarbon Gases Tons/Yr:	.084
Reactive Organic Gases Tons/Yr:	.0586824
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 & Smlr Tons/Yr:	0
Year:	2008
County Code:	1
Air Basin:	SF
Facility ID:	18269
Air District Name:	BA
SIC Code:	711
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:	.084
Reactive Organic Gases Tons/Yr:	.0586824
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 & Smlr Tons/Yr:	0

**25**  
**SSE**  
 1/4-1/2  
 0.295 mi.  
 1559 ft.

**HAYWARD FIRE STATION #4**  
**27836 LOYOLA**  
**HAYWARD, CA 94541**

**HIST CORTESE** **S102431257**  
**N/A**

**Relative:**  
**Lower**

HIST CORTESE:  
 Region: CORTESE  
 Facility County Code: 1  
 Reg By: LTNKA  
 Reg Id: 01-0632

**Actual:**  
**20 ft.**

**26**  
**ENE**  
 1/4-1/2  
 0.332 mi.  
 1753 ft.

**BP #11267**  
**1974 TENNYSON RD W**  
**HAYWARD, CA 94545**

**HIST CORTESE** **S104396744**  
**LUST** **N/A**

**Relative:**  
**Higher**

HIST CORTESE:  
 Region: STATE  
 Facility County Code: 1  
 Reg By: LTNKA  
 Reg Id: 01-0993

**Actual:**  
**33 ft.**

LUST:  
 Region: STATE  
 Global Id: T0600100916  
 Latitude: 37.63137459  
 Longitude: -122.089524  
 Case Type: LUST Cleanup Site  
 Status: Completed - Case Closed



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BP #11267 (Continued)**

**S104396744**

Status Date: 01/31/2011  
Lead Agency: HAYWARD, CITY OF  
Case Worker: DMG  
Local Agency: HAYWARD, CITY OF  
RB Case Number: 01-0993  
LOC Case Number: 01-0993  
File Location: Local Agency  
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: T0600100916  
Contact Type: Regional Board Caseworker  
Contact Name: MARCIA Y. LIAO  
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)  
Address: 1515 CLAY STREET, SUITE 1400  
City: OAKLAND  
Email: mliao@waterboards.ca.gov  
Phone Number: Not reported

Global Id: T0600100916  
Contact Type: Local Agency Caseworker  
Contact Name: DANILO M. GALANG  
Organization Name: HAYWARD, CITY OF  
Address: 777 B STREET  
City: HAYWARD  
Email: danny.galang@hayward-ca.gov  
Phone Number: Not reported

Status History:

Global Id: T0600100916  
Status: Open - Verification Monitoring  
Status Date: 07/09/1997

Global Id: T0600100916  
Status: Open - Verification Monitoring  
Status Date: 01/03/2003

Global Id: T0600100916  
Status: Open - Verification Monitoring  
Status Date: 07/19/2010

Global Id: T0600100916  
Status: Open - Site Assessment  
Status Date: 03/21/1990

Global Id: T0600100916  
Status: Open - Site Assessment  
Status Date: 07/09/1990

Global Id: T0600100916  
Status: Completed - Case Closed  
Status Date: 01/31/2011

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BP #11267 (Continued)**

**S104396744**

Global Id: T0600100916  
Status: Open - Site Assessment  
Status Date: 01/03/1991

Global Id: T0600100916  
Status: Open - Case Begin Date  
Status Date: 10/15/1985

Global Id: T0600100916  
Status: Open - Remediation  
Status Date: 01/22/1998

Regulatory Activities:

Global Id: T0600100916  
Action Type: ENFORCEMENT  
Date: 06/14/2010  
Action: Referral to Regional Board

Global Id: T0600100916  
Action Type: Other  
Date: 01/01/1950  
Action: Leak Discovery

Global Id: T0600100916  
Action Type: Other  
Date: 01/01/1950  
Action: Leak Reported

Global Id: T0600100916  
Action Type: Other  
Date: 01/01/1950  
Action: Leak Stopped

Global Id: T0600100916  
Action Type: ENFORCEMENT  
Date: 01/31/2011  
Action: Closure/No Further Action Letter

LUST REG 2:

Region: 2  
Facility Id: 01-0993  
Facility Status: Remedial action (cleanup) Underway  
Case Number: 01-0993  
How Discovered: Tank Closure  
Leak Cause: Structure Failure  
Leak Source: Tank  
Date Leak Confirmed: Not reported  
Oversight Program: LUST  
Prelim. Site Assessment Workplan Submitted: 3/21/1990  
Preliminary Site Assessment Began: 7/9/1990  
Pollution Characterization Began: 1/3/1991  
Pollution Remediation Plan Submitted: Not reported  
Date Remediation Action Underway: 1/22/1998  
Date Post Remedial Action Monitoring Began: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

F27  
NE  
1/4-1/2  
0.381 mi.  
2013 ft.

ST ROSE HOSPITAL  
27200 CALAROGA AVE  
HAYWARD, CA 94545  
Site 1 of 2 in cluster F

LUST U003776495  
UST N/A  
EMI

Relative:  
Higher

LUST REG 2:  
Region: 2  
Facility Id: 01-2026  
Facility Status: Leak being confirmed  
Case Number: 01-2026  
How Discovered: Tank Closure  
Leak Cause: UNK  
Leak Source: UNK  
Date Leak Confirmed: 1/25/1996  
Oversight Program: LUST  
Prelim. Site Assessment Wokplan Submitted: Not reported  
Preliminary Site Assessment 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

Actual:  
36 ft.

UST:  
Facility ID: 01-003-105701  
Latitude: 37.6350531  
Longitude: -122.086603  
Permitting Agency: HAYWARD, CITY OF

EMI:  
Year: 1987  
County Code: 1  
Air Basin: SF  
Facility ID: 2099  
Air District Name: BA  
SIC Code: 8062  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 1  
Reactive Organic Gases Tons/Yr: 1  
Carbon Monoxide Emissions Tons/Yr: 3  
NOX - Oxides of Nitrogen Tons/Yr: 1  
SOX - Oxides of Sulphur Tons/Yr: 1  
Particulate Matter Tons/Yr: 2  
Part. Matter 10 Micrometers & Smllr Tons/Yr: 2  
  
Year: 1990  
County Code: 1  
Air Basin: SF  
Facility ID: 2099  
Air District Name: BA  
SIC Code: 8062  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 1  
Reactive Organic Gases Tons/Yr: 1

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ST ROSE HOSPITAL (Continued)**

**U003776495**

Carbon Monoxide Emissions Tons/Yr:	2
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	1
Particulate Matter Tons/Yr:	1
Part. Matter 10 Micrometers & Smlr Tons/Yr:	1
Year:	1995
County Code:	1
Air Basin:	SF
Facility ID:	2099
Air District Name:	BA
SIC Code:	8062
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:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smlr Tons/Yr:	0
Year:	1996
County Code:	1
Air Basin:	SF
Facility ID:	2099
Air District Name:	BA
SIC Code:	8062
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:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smlr Tons/Yr:	0
Year:	1997
County Code:	1
Air Basin:	SF
Facility ID:	2099
Air District Name:	BA
SIC Code:	8062
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:	1
NOX - Oxides of Nitrogen Tons/Yr:	3
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smlr Tons/Yr:	0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ST ROSE HOSPITAL (Continued)**

**U003776495**

Year: 1998  
County Code: 1  
Air Basin: SF  
Facility ID: 2099  
Air District Name: BA  
SIC Code: 8062  
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: 1  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1999  
County Code: 1  
Air Basin: SF  
Facility ID: 2099  
Air District Name: BA  
SIC Code: 8062  
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: 1  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2000  
County Code: 1  
Air Basin: SF  
Facility ID: 2099  
Air District Name: BA  
SIC Code: 8062  
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: 1  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2001  
County Code: 1  
Air Basin: SF  
Facility ID: 2099  
Air District Name: BA  
SIC Code: 8062

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ST ROSE HOSPITAL (Continued)**

**U003776495**

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: 1  
NOX - Oxides of Nitrogen Tons/Yr: 3  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2002  
County Code: 1  
Air Basin: SF  
Facility ID: 2099  
Air District Name: BA  
SIC Code: 8062  
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: 1  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2003  
County Code: 1  
Air Basin: SF  
Facility ID: 2099  
Air District Name: BA  
SIC Code: 8062  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 1  
Reactive Organic Gases Tons/Yr: 1  
Carbon Monoxide Emissions Tons/Yr: 3  
NOX - Oxides of Nitrogen Tons/Yr: 11  
SOX - Oxides of Sulphur Tons/Yr: 8  
Particulate Matter Tons/Yr: 1  
Part. Matter 10 Micrometers & Smlr Tons/Yr: 1

Year: 2004  
County Code: 1  
Air Basin: SF  
Facility ID: 2099  
Air District Name: BA  
SIC Code: 8062  
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: 0.091  
Reactive Organic Gases Tons/Yr: 0.0612177  
Carbon Monoxide Emissions Tons/Yr: 0.372

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ST ROSE HOSPITAL (Continued)**

**U003776495**

NOX - Oxides of Nitrogen Tons/Yr:	1.577
SOX - Oxides of Sulphur Tons/Yr:	0.015
Particulate Matter Tons/Yr:	0.068
Part. Matter 10 Micrometers & Smlr Tons/Yr:	0.0668
Year:	2005
County Code:	1
Air Basin:	SF
Facility ID:	2099
Air District Name:	BA
SIC Code:	8062
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:	.05
Reactive Organic Gases Tons/Yr:	.026913
Carbon Monoxide Emissions Tons/Yr:	.258
NOX - Oxides of Nitrogen Tons/Yr:	1.053
SOX - Oxides of Sulphur Tons/Yr:	.007
Particulate Matter Tons/Yr:	.03
Part. Matter 10 Micrometers & Smlr Tons/Yr:	.029712
Year:	2006
County Code:	1
Air Basin:	SF
Facility ID:	2099
Air District Name:	BA
SIC Code:	8062
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:	.05
Reactive Organic Gases Tons/Yr:	.026913
Carbon Monoxide Emissions Tons/Yr:	.258
NOX - Oxides of Nitrogen Tons/Yr:	1.053
SOX - Oxides of Sulphur Tons/Yr:	.007
Particulate Matter Tons/Yr:	.03
Part. Matter 10 Micrometers & Smlr Tons/Yr:	.029712
Year:	2007
County Code:	1
Air Basin:	SF
Facility ID:	2099
Air District Name:	BA
SIC Code:	8062
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:	.05
Reactive Organic Gases Tons/Yr:	.026913
Carbon Monoxide Emissions Tons/Yr:	.258
NOX - Oxides of Nitrogen Tons/Yr:	1.053
SOX - Oxides of Sulphur Tons/Yr:	.004
Particulate Matter Tons/Yr:	.03
Part. Matter 10 Micrometers & Smlr Tons/Yr:	.029712
Year:	2008

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ST ROSE HOSPITAL (Continued)**

**U003776495**

County Code:	1
Air Basin:	SF
Facility ID:	2099
Air District Name:	BA
SIC Code:	8062
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:	.059
Reactive Organic Gases Tons/Yr:	.0286403
Carbon Monoxide Emissions Tons/Yr:	.256
NOX - Oxides of Nitrogen Tons/Yr:	1.04
SOX - Oxides of Sulphur Tons/Yr:	.004
Particulate Matter Tons/Yr:	.031
Part. Matter 10 Micrometers & Smlr Tons/Yr:	.030736
Year:	2009
County Code:	1
Air Basin:	SF
Facility ID:	2099
Air District Name:	BA
SIC Code:	8062
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:	0.062
Reactive Organic Gases Tons/Yr:	3.1150400000000000002E-2
Carbon Monoxide Emissions Tons/Yr:	0.2680000000000000002
NOX - Oxides of Nitrogen Tons/Yr:	1.0780000000000000001
SOX - Oxides of Sulphur Tons/Yr:	4.0000000000000000001E-3
Particulate Matter Tons/Yr:	3.2270491803278602E-2
Part. Matter 10 Micrometers & Smlr Tons/Yr:	3.1975999999999997E-2
Year:	2010
County Code:	1
Air Basin:	SF
Facility ID:	2099
Air District Name:	BA
SIC Code:	8062
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:	6.099999999999999999E-2
Reactive Organic Gases Tons/Yr:	2.948469999999999999E-2
Carbon Monoxide Emissions Tons/Yr:	0.2630000000000000001
NOX - Oxides of Nitrogen Tons/Yr:	1.0609999999999999999
SOX - Oxides of Sulphur Tons/Yr:	4.0000000000000000001E-3
Particulate Matter Tons/Yr:	2.9221311475409802E-2
Part. Matter 10 Micrometers & Smlr Tons/Yr:	2.9000000000000000001E-2
Year:	2011
County Code:	1
Air Basin:	SF
Facility ID:	2099
Air District Name:	BA
SIC Code:	8062
Air District Name:	BAY AREA AQMD



Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**ST ROSE HOSPITAL (Continued)**

**U003776495**

Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.076
Reactive Organic Gases Tons/Yr:	0.0391337
Carbon Monoxide Emissions Tons/Yr:	0.32
NOX - Oxides of Nitrogen Tons/Yr:	1.31
SOX - Oxides of Sulphur Tons/Yr:	0.004
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smlr Tons/Yr:	0
Year:	2012
County Code:	1
Air Basin:	SF
Facility ID:	2099
Air District Name:	BA
SIC Code:	8062
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:	0.076
Reactive Organic Gases Tons/Yr:	0.0391337
Carbon Monoxide Emissions Tons/Yr:	0.32
NOX - Oxides of Nitrogen Tons/Yr:	1.31
SOX - Oxides of Sulphur Tons/Yr:	0.004
Particulate Matter Tons/Yr:	0.040418032787
Part. Matter 10 Micrometers & Smlr Tons/Yr:	0.04

**F28  
 NE  
 1/4-1/2  
 0.381 mi.  
 2013 ft.**

**HAYWARD SISTERS HOSPIATLA DBA  
 27200 CALAROGA AVE  
 HAYWARD, CA 94545**

**HIST CORTESE  
 LUST  
 CA FID UST**      **S101580436  
 N/A**

**Site 2 of 2 in cluster F**

**Relative:  
 Higher**

HIST CORTESE:	
Region:	CORTESE
Facility County Code:	1
Reg By:	LTNKA
Reg Id:	01-2026

**Actual:  
 36 ft.**

LUST:	
Region:	STATE
Global Id:	T0600101871
Latitude:	37.6339543269145
Longitude:	-122.088553905487
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	10/27/2008
Lead Agency:	HAYWARD, CITY OF
Case Worker:	DMG
Local Agency:	HAYWARD, CITY OF
RB Case Number:	01-2026
LOC Case Number:	01-2026
File Location:	Local Agency
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HAYWARD SISTERS HOSPIATLA DBA (Continued)**

**S101580436**

[Click here to access the California GeoTracker records for this facility:](#)

**Contact:**

Global Id: T0600101871  
Contact Type: Regional Board Caseworker  
Contact Name: Cherie McCaulou  
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)  
Address: 1515 CLAY STREET, SUITE 1400  
City: OAKLAND  
Email: cmccaulou@waterboards.ca.gov  
Phone Number: Not reported

Global Id: T0600101871  
Contact Type: Local Agency Caseworker  
Contact Name: DANILO M. GALANG  
Organization Name: HAYWARD, CITY OF  
Address: 777 B STREET  
City: HAYWARD  
Email: danny.galang@hayward-ca.gov  
Phone Number: Not reported

**Status History:**

Global Id: T0600101871  
Status: Open - Case Begin Date  
Status Date: 07/02/1991

Global Id: T0600101871  
Status: Completed - Case Closed  
Status Date: 10/27/2008

Global Id: T0600101871  
Status: Open - Site Assessment  
Status Date: 01/25/1996

**Regulatory Activities:**

Global Id: T0600101871  
Action Type: Other  
Date: 01/01/1950  
Action: Leak Discovery

Global Id: T0600101871  
Action Type: RESPONSE  
Date: 05/15/1992  
Action: Well Installation Report

Global Id: T0600101871  
Action Type: ENFORCEMENT  
Date: 08/06/2008  
Action: File review

Global Id: T0600101871  
Action Type: ENFORCEMENT  
Date: 10/27/2008  
Action: Closure/No Further Action Letter

Global Id: T0600101871

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HAYWARD SISTERS HOSPIATLA DBA (Continued)**

**S101580436**

Action Type: ENFORCEMENT  
Date: 10/21/2008  
Action: Referral to Regional Board  
  
Global Id: T0600101871  
Action Type: RESPONSE  
Date: 11/17/1996  
Action: Tank Removal Report / UST Sampling Report

CA FID UST:

Facility ID: 01002858  
Regulated By: UTNKA  
Regulated ID: Not reported  
Cortese Code: Not reported  
SIC Code: Not reported  
Facility Phone: 5107826200  
Mail To: Not reported  
Mailing Address: 27200 CALAROGA AVE  
Mailing Address 2: Not reported  
Mailing City,St,Zip: HAYWARD 94545  
Contact: Not reported  
Contact Phone: Not reported  
DUNs Number: Not reported  
NPDES Number: Not reported  
EPA ID: Not reported  
Comments: Not reported  
Status: Active

29  
WSW  
1/2-1  
0.598 mi.  
3160 ft.

**FLINT INK**  
**27403 INDUSTRIAL PARKWAY**  
**HAYWARD, CA 94544**

**CHMIRS S105660007**  
**ENVIROSTOR N/A**

**Relative:**  
**Lower**

CHMIRS:  
OES Incident Number: 99-3819  
OES notification: 09/10/1999  
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?: 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

**Actual:**  
**18 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FLINT INK (Continued)**

**S105660007**

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: 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  
Year: 1999  
Agency: PG&E  
Incident Date: 9/9/199912:00:00 AM  
Admin Agency: Hayward Fire Department  
Amount: Not reported  
Contained: Yes  
Site Type: Road  
E Date: Not reported  
Substance: transformer oil non-pcbs  
Quantity Released: Not reported  
BBLs: 0  
Cups: 0  
CUFT: 0  
Gallons: 12  
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: 0  
Description: malfunction of transformer

**ENVIROSTOR:**

Facility ID: 01280067  
Status: Refer: Other Agency  
Status Date: 01/13/2003  
Site Code: Not reported  
Site Type: Historical  
Site Type Detailed: \* Historical  
Acres: Not reported  
NPL: NO

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FLINT INK (Continued)**

**S105660007**

Regulatory Agencies: NONE SPECIFIED  
Lead Agency: NONE SPECIFIED  
Program Manager: Not reported  
Supervisor: Referred - Not Assigned  
Division Branch: Cleanup Berkeley  
Assembly: 20  
Senate: 10  
Special Program: Not reported  
Restricted Use: NO  
Site Mgmt Req: NONE SPECIFIED  
Funding: Not reported  
Latitude: 37.62543  
Longitude: -122.1069  
APN: NONE SPECIFIED  
Past Use: NONE SPECIFIED  
Potential COC: Lead  
Confirmed COC: NONE SPECIFIED  
Potential Description: NONE SPECIFIED  
Alias Name: ABCO WIRE & METAL PRODUCTS  
Alias Type: Alternate Name  
Alias Name: 01280067  
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  
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

**30**  
**West**  
**1/2-1**  
**0.718 mi.**  
**3793 ft.**  
**Relative:**  
**Lower**

**DREWRY PHOTOCOLOR CORP.**  
**27105 INDUSTRIAL BLVD**  
**HAYWARD, CA 94545**

**HIST CORTESE** **S101623715**  
**LUST** **N/A**  
**CA FID UST**  
**SWEEPS UST**  
**DEED**  
**VCP**  
**ENVIROSTOR**

**Actual:**  
**20 ft.**

HIST CORTESE:  
Region: CORTESE  
Facility County Code: 1  
Reg By: LTNKA  
Reg Id: 01-0510

LUST REG 2:  
Region: 2  
Facility Id: 01-0510  
Facility Status: Leak being confirmed

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DREWRY PHOTOCOLOR CORP. (Continued)**

**S101623715**

Case Number: 01-0510  
How Discovered: Tank Closure  
Leak Cause: Structure Failure  
Leak Source: Tank  
Date Leak Confirmed: 8/30/1996  
Oversight Program: LUST  
Prelim. Site Assessment Workplan Submitted: Not reported  
Preliminary Site Assessment 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

**CA FID UST:**

Facility ID: 01000117  
Regulated By: UTNKI  
Regulated ID: 00064460  
Cortese Code: Not reported  
SIC Code: Not reported  
Facility Phone: 4157837000  
Mail To: Not reported  
Mailing Address: 211 S LAKE ST  
Mailing Address 2: Not reported  
Mailing City,St,Zip: HAYWARD 94545  
Contact: Not reported  
Contact Phone: Not reported  
DUNS Number: Not reported  
NPDES Number: Not reported  
EPA ID: Not reported  
Comments: Not reported  
Status: Inactive

**SWEEPS UST:**

Status: Not reported  
Comp Number: 64460  
Number: Not reported  
Board Of Equalization: 44-000958  
Referral Date: Not reported  
Action Date: Not reported  
Created Date: Not reported  
Owner Tank Id: Not reported  
SWRCB Tank Id: 01-003-064460-000001  
Tank Status: Not reported  
Capacity: 1800  
Active Date: Not reported  
Tank Use: M.V. FUEL  
STG: PRODUCT  
Content: REG UNLEADED  
Number Of Tanks: 1

**DEED:**

Area: PROJECT WIDE  
Sub Area: Not reported  
Site Type: VOLUNTARY CLEANUP  
Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY  
Agency: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DREWRY PHOTOCOLOR CORP. (Continued)**

**S101623715**

Covenant Upload: Not reported  
Deed Date(s): 04/20/2010  
EDR Link ID: 60000806

VCP:

Facility ID: 60000806  
Site Type: Voluntary Cleanup  
Site Type Detail: Voluntary Cleanup  
Site Mgmt. Req.: NONE SPECIFIED  
Acres: 1.8  
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: 201783  
Assembly: 20  
Senate: 10  
Special Programs Code: Voluntary Cleanup Program  
Status: Certified O&M - Land Use Restrictions Only  
Status Date: 04/20/2010  
Restricted Use: YES  
Funding: Responsible Party  
Lat/Long: 37.62742 / -122.1092  
APN: 456-0066-068-01, 456-0066-068-03  
Past Use: PHOTOGRAPHIC PROCESSING  
Potential COC: 30022, 30027, 30407  
Confirmed COC: 30022,30407,30027  
Potential Description: OTH  
Alias Name: 456-0066-068-01  
Alias Type: APN  
Alias Name: 456-0066-068-03  
Alias Type: APN  
Alias Name: 110033615611  
Alias Type: EPA (FRS #)  
Alias Name: 201783  
Alias Type: Project Code (Site Code)  
Alias Name: 60000806  
Alias Type: Envirostor ID Number  
Alias Name: 71003241  
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Supplemental Site Investigation Workplan  
Completed Date: 11/13/2008  
Comments: DTSC approved the Workplan. The supplemental site characterization activities under the Workplan include drilling of five soil borings to 20 feet below ground surface and collection of grab groundwater samples and analysis for metals.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Preliminary Endangerment Assessment Report

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DREWRY PHOTOCOLOR CORP. (Continued)**

**S101623715**

Completed Date: 11/17/2009  
Comments: VOCs and nickel were found in groundwater at concentrations that exceed maximum contaminant levels. Because these contaminants will remain at the site, DTSC will require a land use covenant to restrict the use of groundwater so that it can not be used as a drinking water source.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Fieldwork  
Completed Date: 01/21/2009  
Comments: Fieldwork begun and completed 01/21/2009.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Long Term Monitoring Report  
Completed Date: 04/12/2012  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Long Term Monitoring Report  
Completed Date: 01/04/2013  
Comments: The site owner conducted an inspection on December 18, 2012 as required by Section 4.03 of the Land Use Covenant (LUC). No evidence of activities prohibited by the LUC were observed during the inspection and the site is in compliance with the restrictions and requirements of the LUC.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Long Term Monitoring Report  
Completed Date: 06/27/2014  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: \*Correspondence - Received  
Completed Date: 04/12/2011  
Comments: The letter notify DTSC that the property is transfer to 27105 Industrial Blvd. LLC

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Amendment - Order/Agreement  
Completed Date: 12/29/2009  
Comments: Amended to include a land use covenant to restrict the use of groundwater so that it can not be used as a drinking water source.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 08/09/2010  
Comments: Annual cost estimate for 2010/2011 fiscal year.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DREWRY PHOTOCOLOR CORP. (Continued)**

**S101623715**

Completed Document Type: Voluntary Cleanup Agreement

Completed Date: 07/01/2008

Comments: Not reported

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Certification

Completed Date: 04/20/2010

Comments: LUC to restrict GW use issued and recorded. No further action (except for LUC and annual inspections) letter issued.

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Land Use Restriction

Completed Date: 04/20/2010

Comments: The LUC restricts groundwater at the site only.

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Land Use Restriction - Site Inspection/Visit

Completed Date: 08/09/2011

Comments: The Site currently complies with the Land Use Covenant requirements and there was no evidence of any activities prohibited by the Land Use Covenant.

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Letter - Demand

Completed Date: 12/16/2011

Comments: Demand letter #1

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Annual Oversight Cost Estimate

Completed Date: 01/13/2012

Comments: Not reported

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Annual Oversight Cost Estimate

Completed Date: 09/13/2012

Comments: Not reported

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Annual Oversight Cost Estimate

Completed Date: 12/18/2013

Comments: The letter transmits an estimate of DTSC's oversight costs for fiscal year 2013/2014.

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Letter - Demand

Completed Date: 01/24/2012

Comments: Demand letter #1 re-mailed to Williams.

Future Area Name: PROJECT WIDE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DREWRY PHOTOCOLOR CORP. (Continued)**

**S101623715**

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: 60000806  
Status: Certified O&M - Land Use Restrictions Only  
Status Date: 04/20/2010  
Site Code: 201783  
Site Type: Voluntary Cleanup  
Site Type Detailed: Voluntary Cleanup  
Acres: 1.8  
NPL: NO  
Regulatory Agencies: SMBRP  
Lead Agency: SMBRP  
Program Manager: Claude Jemison  
Supervisor: Mark Piros  
Division Branch: Cleanup Berkeley  
Assembly: 20  
Senate: 10  
Special Program: Voluntary Cleanup Program  
Restricted Use: YES  
Site Mgmt Req: NONE SPECIFIED  
Funding: Responsible Party  
Latitude: 37.62742  
Longitude: -122.1092  
APN: 456-0066-068-01, 456-0066-068-03  
Past Use: PHOTOGRAPHIC PROCESSING  
Potential COC: Tetrachloroethylene (PCE) Trichloroethylene (TCE) Nickel  
Confirmed COC: Tetrachloroethylene (PCE) Nickel Trichloroethylene (TCE)  
Potential Description: OTH  
Alias Name: 456-0066-068-01  
Alias Type: APN  
Alias Name: 456-0066-068-03  
Alias Type: APN  
Alias Name: 110033615611  
Alias Type: EPA (FRS #)  
Alias Name: 201783  
Alias Type: Project Code (Site Code)  
Alias Name: 60000806  
Alias Type: Envirostor ID Number  
Alias Name: 71003241  
Alias Type: Envirostor ID Number

**Completed Info:**

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Supplemental Site Investigation Workplan  
Completed Date: 11/13/2008  
Comments: DTSC approved the Workplan. The supplemental site characterization activities under the Workplan include drilling of five soil borings to 20 feet below ground surface and collection of grab groundwater

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DREWRY PHOTOCOLOR CORP. (Continued)**

**S101623715**

samples and analysis for metals.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 11/17/2009  
Comments: VOCs and nickel were found in groundwater at concentrations that exceed maximum contaminant levels. Because these contaminants will remain at the site, DTSC will require a land use covenant to restrict the use of groundwater so that it can not be used as a drinking water source.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Fieldwork  
Completed Date: 01/21/2009  
Comments: Fieldwork begun and completed 01/21/2009.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Long Term Monitoring Report  
Completed Date: 04/12/2012  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Long Term Monitoring Report  
Completed Date: 01/04/2013  
Comments: The site owner conducted an inspection on December 18, 2012 as required by Section 4.03 of the Land Use Covenant (LUC). No evidence of activities prohibited by the LUC were observed during the inspection and the site is in compliance with the restrictions and requirements of the LUC.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Long Term Monitoring Report  
Completed Date: 06/27/2014  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: \*Correspondence - Received  
Completed Date: 04/12/2011  
Comments: The letter notify DTSC that the property is transfer to 27105 Industrial Blvd. LLC

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Amendment - Order/Agreement  
Completed Date: 12/29/2009  
Comments: Amended to include a land use covenant to restrict the use of groundwater so that it can not be used as a drinking water source.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DREWRY PHOTOCOLOR CORP. (Continued)**

**S101623715**

Completed Date: 08/09/2010  
Comments: Annual cost estimate for 2010/2011 fiscal year.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Voluntary Cleanup Agreement  
Completed Date: 07/01/2008  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Certification  
Completed Date: 04/20/2010  
Comments: LUC to restrict GW use issued and recorded. No further action (except for LUC and annual inspections) letter issued.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Land Use Restriction  
Completed Date: 04/20/2010  
Comments: The LUC restricts groundwater at the site only.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Land Use Restriction - Site Inspection/Visit  
Completed Date: 08/09/2011  
Comments: The Site currently complies with the Land Use Covenant requirements and there was no evidence of any activities prohibited by the Land Use Covenant.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Letter - Demand  
Completed Date: 12/16/2011  
Comments: Demand letter #1

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 01/13/2012  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 09/13/2012  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 12/18/2013  
Comments: The letter transmits an estimate of DTSC's oversight costs for fiscal year 2013/2014.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DREWRY PHOTOCOLOR CORP. (Continued)**

**S101623715**

Completed Document Type: Letter - Demand  
Completed Date: 01/24/2012  
Comments: Demand letter #1 re-mailed to Williams.

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

Facility ID: 71003241  
Status: Refer: Other Agency  
Status Date: 10/05/2011  
Site Code: Not reported  
Site Type: Tiered Permit  
Site Type Detailed: Tiered Permit  
Acres: 0  
NPL: NO  
Regulatory Agencies: NONE SPECIFIED  
Lead Agency: NONE SPECIFIED  
Program Manager: Not reported  
Supervisor: Karen Toth  
Division Branch: Cleanup Berkeley  
Assembly: 20  
Senate: 10  
Special Program: Not reported  
Restricted Use: NO  
Site Mgmt Req: NONE SPECIFIED  
Funding: Not reported  
Latitude: 37.62801  
Longitude: -122.1077  
APN: NONE SPECIFIED  
Past Use: NONE SPECIFIED  
Potential COC: NONE SPECIFIED  
Confirmed COC: NONE SPECIFIED  
Potential Description: NONE SPECIFIED  
Alias Name: CAL000045604  
Alias Type: EPA Identification Number  
Alias Name: 60000806  
Alias Type: Envirostor ID Number  
Alias Name: 71003241  
Alias Type: Envirostor ID Number

**Completed Info:**

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Phase 1 Addendum  
Completed Date: 07/08/2002  
Comments: Site addressed under Envirostor ID 60000806

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Phase 1 Addendum  
Completed Date: 03/13/1997

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DREWRY PHOTOCOLOR CORP. (Continued)**

**S101623715**

Comments: Follow up required because checklist indicated a release.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Phase 1  
Completed Date: 12/30/1996  
Comments: Phase 1 checklist indicated that there had been a release.

Future Area Name: Not reported  
Future Sub Area Name: Not reported  
Future Document Type: Not reported  
Future Due Date: Not reported  
Schedule Area Name: Not reported  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Not reported  
Schedule Due Date: Not reported  
Schedule Revised Date: Not reported

31  
SW  
1/2-1  
0.885 mi.  
4674 ft.

**ARDEN ROAD PROPERTY  
ARDEN ROAD / DANTE COURT  
HAYWARD, CA 94545**

**ENVIROSTOR S116165237  
N/A**

**Relative:  
Lower**

**ENVIROSTOR:**

**Actual:  
8 ft.**

Facility ID: 01490013  
Status: Refer: RWQCB  
Status Date: 07/29/1994  
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: \* CERC2  
Restricted Use: NO  
Site Mgmt Req: NONE SPECIFIED  
Funding: Not reported  
Latitude: 0  
Longitude: 0  
APN: NONE SPECIFIED  
Past Use: NONE SPECIFIED  
Potential COC: \* HALOGENATED SOLVENTS \* OXYGENATED SOLVENTS \* UNSPECIFIED SOLVENT MIXTURES  
Confirmed COC: NONE SPECIFIED  
Potential Description: NONE SPECIFIED  
Alias Name: CABOT, CABOT AND FORBES (1960-1978)  
Alias Type: Alternate Name  
Alias Name: HAYWARD GATEWAY CENTER  
Alias Type: Alternate Name  
Alias Name: LESLIE SALT COMPANY (1938-1957)  
Alias Type: Alternate Name

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ARDEN ROAD PROPERTY (Continued)**

**S116165237**

Alias Name: CAD982358608  
Alias Type: EPA Identification Number  
Alias Name: SL18373793  
Alias Type: GeoTracker Global ID  
Alias Name: 01490013  
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Preliminary Assessment Report  
Completed Date: 01/01/1989  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Screening  
Completed Date: 06/23/1987  
Comments: Not reported

Future Area Name: Not reported  
Future Sub Area Name: Not reported  
Future Document Type: Not reported  
Future Due Date: Not reported  
Schedule Area Name: Not reported  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Not reported  
Schedule Due Date: Not reported  
Schedule Revised Date: Not reported

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**G32 EDEN SHORES**  
**SSE 28505 HESPERIAN BOULEVARD**  
**1/2-1 HAYWARD, CA 94545**  
**0.960 mi.**  
**5068 ft. Site 1 of 2 in cluster G**

**VCP S109548377**  
**ENVIROSTOR N/A**

**Relative:** VCP:  
**Lower** Facility ID: 60001089  
Site Type: Voluntary Cleanup  
**Actual:** Site Type Detail: Voluntary Cleanup  
**8 ft.** Site Mgmt. Req.: NONE SPECIFIED  
Acres: 16  
National Priorities List: NO  
Cleanup Oversight Agencies: SMBRP  
Lead Agency: SMBRP  
Lead Agency Description: DTSC - Site Cleanup Program  
Project Manager: Jovanne Villamater  
Supervisor: Mark Piros  
Division Branch: Cleanup Berkeley  
Site Code: Not reported  
Assembly: 20  
Senate: 10  
Special Programs Code: Not reported  
Status: No Further Action  
Status Date: 06/02/2009  
Restricted Use: NO  
Funding: Responsible Party  
Lat/Long: 37.61879 / -122.0893

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDEN SHORES (Continued)**

**S109548377**

APN: NONE SPECIFIED  
Past Use: UNKNOWN  
Potential COC: 30013  
Confirmed COC: 30013-NO  
Potential Description: SOIL  
Alias Name: Costco Hayward  
Alias Type: Alternate Name  
Alias Name: 60001089  
Alias Type: Envirostor ID Number

**Completed Info:**

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 06/02/2009  
Comments: The Preliminary Endangerment Assessment (PEA) Report Equivalent for this site consists of a number of reports of previous site investigations submitted to DTSC for review and determination of whether further action is required on the site. The existing reports along with the Human Health Screening Evaluation serve the function of a PEA for the site. Identified contaminants of potential concern at the site include lead and metals associated with slag that is found approximately 5 feet below ground surface and is believed to be associated with fill material. Additionally, there were some limited detections of total petroleum hydrocarbons and metals in groundwater.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 08/20/2009  
Comments: DTSC issued a no further action letter on June 2, 2009 based on the evaluation presented in the May 26, 2009 Human Health Screening Evaluation, which assumed slag materials would remain undisturbed in the footprint of the building to be constructed. An unanticipated removal of the slag materials occurred during construction. The relocation of the excavated slag materials to under the northeastern portion of parking lot was proposed and evaluated by a second Human Health Screening Evaluation. This HHSE shows no significant risk to human receptors due to slag relocation and DTSC issued an approval letter on August 13, 2009 (see follow-up letter issued 8/18/2009 for correction to approval letter).

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Risk Assessment Report  
Completed Date: 06/02/2009  
Comments: Contaminants of potential concern at site include lead and metals associated with slag materials, found approximately 5 feet below ground surface. New commercial development that is planned for the Site will require import of soil to raise the grade of the site 3 feet. Thus, the slag materials with somewhat elevated metal concentrations will be 8 feet below the new ground surface and is expected to be within the footprint of a new building. The statistical average concentration for lead is with a level that would allow for unrestricted land use. There was limited detection of total petroleum hydrocarbons and metals in groundwater. There are high total dissolved solids concentration in groundwater which exceed the State Water Resources Control Board criterion of 3,000 milligrams



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDEN SHORES (Continued)**

**S109548377**

per liter. Thus, the groundwater is not a potential source of drinking water. The Site was determined not to pose a significant risk to future site users. Report approved along with PEA Report Equivalent.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Voluntary Cleanup Agreement  
Completed Date: 05/20/2009  
Comments: VCA signed 5/20/2009 by DTSC. Oversight includes reviewing historical documents and risk evaluation; Proponent is seeking No Further Action letter for 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  
Schedule Document Type: Not reported  
Schedule Due Date: Not reported  
Schedule Revised Date: Not reported

**ENVIROSTOR:**

Facility ID: 60001089  
Status: No Further Action  
Status Date: 06/02/2009  
Site Code: Not reported  
Site Type: Voluntary Cleanup  
Site Type Detailed: Voluntary Cleanup  
Acres: 16  
NPL: NO  
Regulatory Agencies: SMBRP  
Lead Agency: SMBRP  
Program Manager: Jovanne Villamater  
Supervisor: Mark Piros  
Division Branch: Cleanup Berkeley  
Assembly: 20  
Senate: 10  
Special Program: Not reported  
Restricted Use: NO  
Site Mgmt Req: NONE SPECIFIED  
Funding: Responsible Party  
Latitude: 37.61879  
Longitude: -122.0893  
APN: NONE SPECIFIED  
Past Use: UNKNOWN  
Potential COC: Lead  
Confirmed COC: 30013-NO  
Potential Description: SOIL  
Alias Name: Costco Hayward  
Alias Type: Alternate Name  
Alias Name: 60001089  
Alias Type: Envirostor ID Number

**Completed Info:**

Completed Area Name: PROJECT WIDE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDEN SHORES (Continued)**

**S109548377**

Completed Sub Area Name: Not reported  
Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 06/02/2009  
Comments: The Preliminary Endangerment Assessment (PEA) Report Equivalent for this site consists of a number of reports of previous site investigations submitted to DTSC for review and determination of whether further action is required on the site. The existing reports along with the Human Health Screening Evaluation serve the function of a PEA for the site. Identified contaminants of potential concern at the site include lead and metals associated with slag that is found approximately 5 feet below ground surface and is believed to be associated with fill material. Additionally, there were some limited detections of total petroleum hydrocarbons and metals in groundwater.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 08/20/2009  
Comments: DTSC issued a no further action letter on June 2, 2009 based on the evaluation presented in the May 26, 2009 Human Health Screening Evaluation, which assumed slag materials would remain undisturbed in the footprint of the building to be constructed. An unanticipated removal of the slag materials occurred during construction. The relocation of the excavated slag materials to under the northeastern portion of parking lot was proposed and evaluated by a second Human Health Screening Evaluation. This HHSE shows no significant risk to human receptors due to slag relocation and DTSC issued an approval letter on August 13, 2009 (see follow-up letter issued 8/18/2009 for correction to approval letter).

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Risk Assessment Report  
Completed Date: 06/02/2009  
Comments: Contaminants of potential concern at site include lead and metals associated with slag materials, found approximately 5 feet below ground surface. New commercial development that is planned for the Site will require import of soil to raise the grade of the site 3 feet. Thus, the slag materials with somewhat elevated metal concentrations will be 8 feet below the new ground surface and is expected to be within the footprint of a new building. The statistical average concentration for lead is with a level that would allow for unrestricted land use. There was limited detection of total petroleum hydrocarbons and metals in groundwater. There are high total dissolved solids concentration in groundwater which exceed the State Water Resources Control Board criterion of 3,000 milligrams per liter. Thus, the groundwater is not a potential source of drinking water. The Site was determined not to pose a significant risk to future site users. Report approved along with PEA Report Equivalent.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Voluntary Cleanup Agreement  
Completed Date: 05/20/2009  
Comments: VCA signed 5/20/2009 by DTSC. Oversight includes reviewing historical documents and risk evaluation; Proponent is seeking No

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**EDEN SHORES (Continued)**

**S109548377**

Further Action letter for 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  
 Schedule Document Type: Not reported  
 Schedule Due Date: Not reported  
 Schedule Revised Date: Not reported

**G33  
 SSE  
 1/2-1  
 0.967 mi.  
 5105 ft.**

**EDEN SHORES EAST  
 MARINA DRIVE AND EDEN SHORES BLVD  
 HAYWARD, CA 94545**

**ENVIROSTOR S107736261  
 N/A**

**Site 2 of 2 in cluster G**

**Relative:  
 Lower**

ENVIROSTOR:

Facility ID: 60000285  
 Status: No Further Action  
 Status Date: 05/02/2006  
 Site Code: Not reported  
 Site Type: Evaluation  
 Site Type Detailed: Evaluation  
 Acres: 17  
 NPL: NO  
 Regulatory Agencies: RWQCB 2 - San Francisco Bay  
 Lead Agency: RWQCB 2 - San Francisco Bay  
 Program Manager: Not reported  
 Supervisor: Karen Toth  
 Division Branch: Cleanup Berkeley  
 Assembly: 20  
 Senate: 10  
 Special Program: Not reported  
 Restricted Use: NO  
 Site Mgmt Req: NONE SPECIFIED  
 Funding: Not Applicable  
 Latitude: 37.61125  
 Longitude: -122.0885  
 APN: 456-0097-005, 456-0097-006, 456-0097-018, 456-0097-019, 456-0097-020  
 Past Use: NONE  
 Potential COC: NONE SPECIFIED No Contaminants found  
 Confirmed COC: 31000-NO  
 Potential Description: NMA  
 Alias Name: Oliver Trust Farms  
 Alias Type: Alternate Name  
 Alias Name: 456-0097-005  
 Alias Type: APN  
 Alias Name: 456-0097-006  
 Alias Type: APN  
 Alias Name: 456-0097-018  
 Alias Type: APN  
 Alias Name: 456-0097-019  
 Alias Type: APN  
 Alias Name: 456-0097-020  
 Alias Type: APN  
 Alias Name: 60000285

**Actual:  
 8 ft.**

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**EDEN SHORES EAST (Continued)**

**S107736261**

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Preliminary Endangerment Assessment Report

Completed Date: 05/01/2006

Comments: Based on information provided by the developer, no further investigation is necessary. Pesticides, metals, and asbestos were below CHHSLs or PRGs. No petroleum hydrocarbons, VOCs, or benzene, toluene, ethyl benzene, xylenes, or MTBE were found in groundwater at the 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

Schedule Document Type: Not reported

Schedule Due Date: Not reported

Schedule Revised Date: Not reported

**34**  
**WSW**  
**1/2-1**  
**0.989 mi.**  
**5221 ft.**

**26569-75 CORPORATE AVENUE SITE**  
**26569-75 CORPORATE AVENUE**  
**HAYWARD, CA 94545**

**ENVIROSTOR S102008240**  
**N/A**

**Relative:**  
**Lower**

**ENVIROSTOR:**

**Actual:**  
**11 ft.**

Facility ID: 01500103

Status: Refer: RWQCB

Status Date: 03/14/1995

Site Code: Not reported

Site Type: Evaluation

Site Type Detailed: Evaluation

Acres: 2.3

NPL: NO

Regulatory Agencies: RWQCB 2 - San Francisco Bay

Lead Agency: RWQCB 2 - San Francisco Bay

Program Manager: Not reported

Supervisor: Denise Tsuji

Division Branch: Cleanup Berkeley

Assembly: 20

Senate: 10

Special Program: Not reported

Restricted Use: NO

Site Mgmt Req: NONE SPECIFIED

Funding: Not reported

Latitude: 37.62361

Longitude: -122.1130

APN: 461-0001-023

Past Use: EQUIPMENT/INSTRUMENT REPAIR, TRANSPORTATION - WAREHOUSING

Potential COC: Tetrachloroethylene (PCE Trichloroethylene (TCE Vinyl chloride Bromodichloromethane Chloroform

Confirmed COC: Tetrachloroethylene (PCE Trichloroethylene (TCE Vinyl chloride Bromodichloromethane Chloroform

Potential Description: OTH, SOIL

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**26569-75 CORPORATE AVENUE SITE (Continued)**

**S102008240**

Alias Name: LUSK METALS INCORPORATED  
Alias Type: Alternate Name  
Alias Name: PERKINS-ELMER INCORPORATED  
Alias Type: Alternate Name  
Alias Name: SARTORIUS FILTERS  
Alias Type: Alternate Name  
Alias Name: 461-0001-023  
Alias Type: APN  
Alias Name: CAD982399735  
Alias Type: EPA Identification Number  
Alias Name: T0600101767  
Alias Type: GeoTracker Global ID  
Alias Name: 01500103  
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: \* Discovery  
Completed Date: 06/15/1987  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Preliminary Assessment Report  
Completed Date: 06/15/1988  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Screening  
Completed Date: 10/19/1987  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Screening  
Completed Date: 04/24/2002  
Comments: This was a State Screening Assessment. Recommendation: NFA.

Future Area Name: Not reported  
Future Sub Area Name: Not reported  
Future Document Type: Not reported  
Future Due Date: Not reported  
Schedule Area Name: Not reported  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Not reported  
Schedule Due Date: Not reported  
Schedule Revised Date: Not reported

Count: 8 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
ALAMEDA	1008194360	SM / HAYWARD BRIDGE	SM / HAYWARD BRIDGE HWY 92	94545	RCRA-SQG
ALAMEDA COUNTY	1015730668	BRANN STREET MERCURY	6408 BRANN STREET		CERCLIS
CASTRO VALLEY	S110326473	CALTRANS 238 ONRAMP / GAS STATION	UNKNOWN HWY 238 INTERCHANGE AT	94544	LUST
HAYWARD	S106922918	AT & T WALPERT RIDGE (CAL202)	HWY 580 TO FAIRVIEW	94544	SWEEPS UST
HAYWARD	S106784865	CITY OF HAYWARD OLIVER PROPERTY	0 INDUSTRIAL WY & HESPERIAN BL	94545	Alameda County CS
HAYWARD	S106924575	CITY OF HAYWARD/FIRE STATION NO. 4	2783 LOYOLA AVE	94545	SWEEPS UST
HAYWARD	1012176211	ALAMEDA COUNTY ROUTE 92 IC RECONST	EAST SHOULDER OF ROUTE 92	94544	RCRA-LQG
HAYWARD	S105024049	UNOCAL	UNKNOWN TENNYSON HUNTWOOD	94544	HIST CORTESE

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

## STANDARD ENVIRONMENTAL RECORDS

### ***Federal NPL site list***

#### NPL: National Priority List

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

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: N/A
Date Made Active in Reports: 01/28/2014	Last EDR Contact: 09/19/2014
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  
Telephone 617-918-1143

EPA Region 6  
Telephone: 214-655-6659

EPA Region 3  
Telephone 215-814-5418

EPA Region 7  
Telephone: 913-551-7247

EPA Region 4  
Telephone 404-562-8033

EPA Region 8  
Telephone: 303-312-6774

EPA Region 5  
Telephone 312-886-6686

EPA Region 9  
Telephone: 415-947-4246

EPA Region 10  
Telephone 206-553-8665

#### Proposed NPL: Proposed National Priority List Sites

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

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: N/A
Date Made Active in Reports: 01/28/2014	Last EDR Contact: 09/19/2014
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	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***Federal Delisted NPL site list***

DELISTED NPL: National Priority List Deletions

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

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: N/A
Date Made Active in Reports: 01/28/2014	Last EDR Contact: 09/19/2014
Number of Days to Update: 78	Next Scheduled EDR Contact: 10/20/2014
	Data Release Frequency: Quarterly

## ***Federal CERCLIS list***

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

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

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 08/28/2014
Number of Days to Update: 94	Next Scheduled EDR Contact: 12/08/2014
	Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

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

Date of Government Version: 04/01/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/08/2014	Telephone: 703-603-8704
Date Made Active in Reports: 08/22/2014	Last EDR Contact: 07/08/2014
Number of Days to Update: 45	Next Scheduled EDR Contact: 10/20/2014
	Data Release Frequency: Varies

## ***Federal CERCLIS NFRAP site List***

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

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

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 08/28/2014
Number of Days to Update: 94	Next Scheduled EDR Contact: 12/08/2014
	Data Release Frequency: Quarterly

## ***Federal RCRA CORRACTS facilities list***

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 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: 10/01/2014  
Next Scheduled EDR Contact: 01/12/2015  
Data Release Frequency: Quarterly

## ***Federal RCRA non-CORRACTS TSD facilities list***

### **RCRA-TSDF: RCRA - Treatment, Storage and Disposal**

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

Date of Government Version: 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: 10/01/2014  
Next Scheduled EDR Contact: 01/12/2015  
Data Release Frequency: Quarterly

## ***Federal RCRA generators list***

### **RCRA-LQG: RCRA - Large Quantity Generators**

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

Date of Government Version: 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: 10/01/2014  
Next Scheduled EDR Contact: 01/12/2015  
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: 10/01/2014  
Next Scheduled EDR Contact: 01/12/2015  
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: 10/01/2014  
Next Scheduled EDR Contact: 01/12/2015  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***Federal institutional controls / engineering controls registries***

### US ENG CONTROLS: Engineering Controls Sites List

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

Date of Government Version: 06/23/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/15/2014	Telephone: 703-603-0695
Date Made Active in Reports: 09/18/2014	Last EDR Contact: 09/08/2014
Number of Days to Update: 65	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/15/2014	Telephone: 703-603-0695
Date Made Active in Reports: 09/18/2014	Last EDR Contact: 09/08/2014
Number of Days to Update: 65	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	Source: Department of the Navy
Date Data Arrived at EDR: 05/30/2014	Telephone: 843-820-7326
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 08/14/2014
Number of Days to Update: 18	Next Scheduled EDR Contact: 12/01/2014
	Data Release Frequency: Varies

## ***Federal ERNS list***

### ERNS: Emergency Response Notification System

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

Date of Government Version: 09/30/2013	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 10/01/2013	Telephone: 202-267-2180
Date Made Active in Reports: 12/06/2013	Last EDR Contact: 09/30/2014
Number of Days to Update: 66	Next Scheduled EDR Contact: 01/12/2015
	Data Release Frequency: Annually

## ***State- and tribal - equivalent NPL***

### RESPONSE: State Response Sites

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

Date of Government Version: 08/05/2014	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 08/06/2014	Telephone: 916-323-3400
Date Made Active in Reports: 09/26/2014	Last EDR Contact: 08/06/2014
Number of Days to Update: 51	Next Scheduled EDR Contact: 11/17/2014
	Data Release Frequency: Quarterly

## ***State- and tribal - equivalent CERCLIS***

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ENVIROSTOR: EnviroStor Database

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

Date of Government Version: 08/05/2014	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 08/06/2014	Telephone: 916-323-3400
Date Made Active in Reports: 09/26/2014	Last EDR Contact: 08/06/2014
Number of Days to Update: 51	Next Scheduled EDR Contact: 11/17/2014
	Data Release Frequency: Quarterly

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

### SWF/LF (SWIS): Solid Waste Information System

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

Date of Government Version: 05/19/2014	Source: Department of Resources Recycling and Recovery
Date Data Arrived at EDR: 05/20/2014	Telephone: 916-341-6320
Date Made Active in Reports: 05/22/2014	Last EDR Contact: 08/18/2014
Number of Days to Update: 2	Next Scheduled EDR Contact: 12/01/2014
	Data Release Frequency: Quarterly

## **State and tribal leaking storage tank lists**

### 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	Source: California Regional Water Quality Control Board Santa Ana Region (8)
Date Data Arrived at EDR: 02/15/2005	Telephone: 909-782-4496
Date Made Active in Reports: 03/28/2005	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 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	Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Date Data Arrived at EDR: 10/20/2004	Telephone: 510-622-2433
Date Made Active in Reports: 11/19/2004	Last EDR Contact: 09/19/2011
Number of Days to Update: 30	Next Scheduled EDR Contact: 01/02/2012
	Data Release Frequency: Quarterly

### LUST REG 1: Active Toxic Site Investigation

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

Date of Government Version: 02/01/2001	Source: California Regional Water Quality Control Board North Coast (1)
Date Data Arrived at EDR: 02/28/2001	Telephone: 707-570-3769
Date Made Active in Reports: 03/29/2001	Last EDR Contact: 08/01/2011
Number of Days to Update: 29	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 07/31/2014	Telephone: see region list
Date Made Active in Reports: 08/22/2014	Last EDR Contact: 09/17/2014
Number of Days to Update: 22	Next Scheduled EDR Contact: 12/29/2014
	Data Release Frequency: Quarterly

## 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	Source: California Regional Water Quality Control Board Los Angeles Region (4)
Date Data Arrived at EDR: 09/07/2004	Telephone: 213-576-6710
Date Made Active in Reports: 10/12/2004	Last EDR Contact: 09/06/2011
Number of Days to Update: 35	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.

Date of Government Version: 07/01/2008	Source: California Regional Water Quality Control Board Central Valley Region (5)
Date Data Arrived at EDR: 07/22/2008	Telephone: 916-464-4834
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 07/01/2011
Number of Days to Update: 9	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	Source: California Regional Water Quality Control Board Lahontan Region (6)
Date Data Arrived at EDR: 09/10/2003	Telephone: 530-542-5572
Date Made Active in Reports: 10/07/2003	Last EDR Contact: 09/12/2011
Number of Days to Update: 27	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	Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Date Data Arrived at EDR: 06/07/2005	Telephone: 760-241-7365
Date Made Active in Reports: 06/29/2005	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 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	Source: California Regional Water Quality Control Board San Diego Region (9)
Date Data Arrived at EDR: 04/23/2001	Telephone: 858-637-5595
Date Made Active in Reports: 05/21/2001	Last EDR Contact: 09/26/2011
Number of Days to Update: 28	Next Scheduled EDR Contact: 01/09/2012
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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	Source: California Regional Water Quality Control Board Central Coast Region (3)
Date Data Arrived at EDR: 05/19/2003	Telephone: 805-542-4786
Date Made Active in Reports: 06/02/2003	Last EDR Contact: 07/18/2011
Number of Days to Update: 14	Next Scheduled EDR Contact: 10/31/2011
	Data Release Frequency: No Update Planned

## LUST REG 7: Leaking Underground Storage Tank Case Listing

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

Date of Government Version: 02/26/2004	Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Date Data Arrived at EDR: 02/26/2004	Telephone: 760-776-8943
Date Made Active in Reports: 03/24/2004	Last EDR Contact: 08/01/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 11/14/2011
	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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 07/31/2014	Telephone: 866-480-1028
Date Made Active in Reports: 08/25/2014	Last EDR Contact: 09/17/2014
Number of Days to Update: 25	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	Source: California Regional Water Quality Control Board, North Coast Region (1)
Date Data Arrived at EDR: 04/07/2003	Telephone: 707-576-2220
Date Made Active in Reports: 04/25/2003	Last EDR Contact: 08/01/2011
Number of Days to Update: 18	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	Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Date Data Arrived at EDR: 10/20/2004	Telephone: 510-286-0457
Date Made Active in Reports: 11/19/2004	Last EDR Contact: 09/19/2011
Number of Days to Update: 30	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	Source: California Regional Water Quality Control Board Central Coast Region (3)
Date Data Arrived at EDR: 05/18/2006	Telephone: 805-549-3147
Date Made Active in Reports: 06/15/2006	Last EDR Contact: 07/18/2011
Number of Days to Update: 28	Next Scheduled EDR Contact: 10/31/2011
	Data Release Frequency: Semi-Annually

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

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

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

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

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

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

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

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

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

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

## SLIC REG 6L: SLIC Sites

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

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

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

## SLIC REG 7: SLIC List

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

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

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

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

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

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

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

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

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

INDIAN LUST 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 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 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 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 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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: EPA Region 10
Date Data Arrived at EDR: 06/10/2014	Telephone: 206-553-2857
Date Made Active in Reports: 08/22/2014	Last EDR Contact: 04/28/2014
Number of Days to Update: 73	Next Scheduled EDR Contact: 11/10/2014
	Data Release Frequency: Quarterly

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	Source: EPA, Region 5
Date Data Arrived at EDR: 08/05/2014	Telephone: 312-886-7439
Date Made Active in Reports: 08/22/2014	Last EDR Contact: 04/28/2014
Number of Days to Update: 17	Next Scheduled EDR Contact: 11/10/2014
	Data Release Frequency: Varies

## **State and tribal registered storage tank lists**

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 07/30/2014	Source: SWRCB
Date Data Arrived at EDR: 07/31/2014	Telephone: 916-341-5851
Date Made Active in Reports: 08/20/2014	Last EDR Contact: 09/19/2014
Number of Days to Update: 20	Next Scheduled EDR Contact: 12/29/2014
	Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 08/01/2009	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2009	Telephone: 916-327-5092
Date Made Active in Reports: 10/01/2009	Last EDR Contact: 07/18/2014
Number of Days to Update: 21	Next Scheduled EDR Contact: 10/20/2014
	Data Release Frequency: Quarterly

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	Source: EPA, Region 1
Date Data Arrived at EDR: 05/01/2013	Telephone: 617-918-1313
Date Made Active in Reports: 01/27/2014	Last EDR Contact: 08/01/2014
Number of Days to Update: 271	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	Source: EPA Region 4
Date Data Arrived at EDR: 08/12/2014	Telephone: 404-562-9424
Date Made Active in Reports: 08/22/2014	Last EDR Contact: 04/22/2014
Number of Days to Update: 10	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Semi-Annually



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 08/04/2014	Source: EPA Region 5
Date Data Arrived at EDR: 08/05/2014	Telephone: 312-886-6136
Date Made Active in Reports: 08/22/2014	Last EDR Contact: 04/28/2014
Number of Days to Update: 17	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	Source: EPA Region 6
Date Data Arrived at EDR: 07/28/2014	Telephone: 214-665-7591
Date Made Active in Reports: 08/22/2014	Last EDR Contact: 07/22/2014
Number of Days to Update: 25	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	Source: EPA Region 7
Date Data Arrived at EDR: 08/22/2014	Telephone: 913-551-7003
Date Made Active in Reports: 09/18/2014	Last EDR Contact: 04/28/2014
Number of Days to Update: 27	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	Source: EPA Region 8
Date Data Arrived at EDR: 08/15/2014	Telephone: 303-312-6137
Date Made Active in Reports: 08/22/2014	Last EDR Contact: 07/22/2014
Number of Days to Update: 7	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	Source: EPA Region 10
Date Data Arrived at EDR: 06/10/2014	Telephone: 206-553-2857
Date Made Active in Reports: 08/15/2014	Last EDR Contact: 07/22/2014
Number of Days to Update: 66	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	Source: EPA Region 9
Date Data Arrived at EDR: 08/15/2014	Telephone: 415-972-3368
Date Made Active in Reports: 08/22/2014	Last EDR Contact: 07/22/2014
Number of Days to Update: 7	Next Scheduled EDR Contact: 11/10/2014
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010	Source: FEMA
Date Data Arrived at EDR: 02/16/2010	Telephone: 202-646-5797
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 07/08/2014
Number of Days to Update: 55	Next Scheduled EDR Contact: 10/27/2014
	Data Release Frequency: Varies

## **State and tribal voluntary cleanup sites**

### 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	Source: EPA, Region 1
Date Data Arrived at EDR: 07/01/2014	Telephone: 617-918-1102
Date Made Active in Reports: 08/15/2014	Last EDR Contact: 10/01/2014
Number of Days to Update: 45	Next Scheduled EDR Contact: 01/12/2015
	Data Release Frequency: Varies

### INDIAN VCP R7: Voluntary Cleanup Priority Listing

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

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

### VCP: Voluntary Cleanup Program Properties

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

Date of Government Version: 08/05/2014	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 08/06/2014	Telephone: 916-323-3400
Date Made Active in Reports: 09/26/2014	Last EDR Contact: 08/06/2014
Number of Days to Update: 51	Next Scheduled EDR Contact: 11/17/2014
	Data Release Frequency: Quarterly

## **ADDITIONAL ENVIRONMENTAL RECORDS**

### **Local Brownfield lists**

#### US BROWNFIELDS: A Listing of Brownfields Sites

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

Date of Government Version: 07/01/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/03/2014	Telephone: 202-566-2777
Date Made Active in Reports: 07/28/2014	Last EDR Contact: 09/23/2014
Number of Days to Update: 25	Next Scheduled EDR Contact: 01/05/2015
	Data Release Frequency: Semi-Annually

### **Local Lists of Landfill / Solid Waste Disposal Sites**

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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

## 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

## 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

## 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

## 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

## 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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **Local Lists of Hazardous waste / Contaminated Sites**

### **US CDL: Clandestine Drug Labs**

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

Date of Government Version: 05/28/2014	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 06/20/2014	Telephone: 202-307-1000
Date Made Active in Reports: 07/15/2014	Last EDR Contact: 09/03/2014
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/15/2014
	Data Release Frequency: Quarterly

### **HIST CAL-SITES: Calsites Database**

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

Date of Government Version: 08/08/2005	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 08/03/2006	Telephone: 916-323-3400
Date Made Active in Reports: 08/24/2006	Last EDR Contact: 02/23/2009
Number of Days to Update: 21	Next Scheduled EDR Contact: 05/25/2009
	Data Release Frequency: No Update Planned

### **SCH: School Property Evaluation Program**

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

Date of Government Version: 08/05/2014	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 08/06/2014	Telephone: 916-323-3400
Date Made Active in Reports: 09/26/2014	Last EDR Contact: 08/06/2014
Number of Days to Update: 51	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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/30/1995	Telephone: 916-227-4364
Date Made Active in Reports: 09/26/1995	Last EDR Contact: 01/26/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/27/2009
	Data Release Frequency: No Update Planned

### **CDL: Clandestine Drug Labs**

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

Date of Government Version: 06/30/2014	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 09/02/2014	Telephone: 916-255-6504
Date Made Active in Reports: 09/24/2014	Last EDR Contact: 08/29/2014
Number of Days to Update: 22	Next Scheduled EDR Contact: 10/27/2014
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 06/20/2014	Telephone: 202-307-1000
Date Made Active in Reports: 07/15/2014	Last EDR Contact: 09/03/2014
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/15/2014
	Data Release Frequency: No Update Planned

## **Local Lists of Registered Storage Tanks**

### CA FID UST: Facility Inventory Database

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

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

### UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/23/2009	Source: Department of Public Health
Date Data Arrived at EDR: 09/23/2009	Telephone: 707-463-4466
Date Made Active in Reports: 10/01/2009	Last EDR Contact: 08/28/2014
Number of Days to Update: 8	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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 01/25/1991	Telephone: 916-341-5851
Date Made Active in Reports: 02/12/1991	Last EDR Contact: 07/26/2001
Number of Days to Update: 18	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

### SWEEPS UST: SWEEPS UST Listing

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

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

## **Local Land Records**

### LIENS 2: CERCLA Lien Information

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

## 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

## 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

## **Records of Emergency Release Reports**

### HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 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: 10/01/2014  
Next Scheduled EDR Contact: 01/12/2015  
Data Release Frequency: Annually

### CHMIRS: California Hazardous Material Incident Report System

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

Date of Government Version: 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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## MCS: Military Cleanup Sites Listing

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

Date of Government Version: 07/30/2014	Source: State Water Resources Control Board
Date Data Arrived at EDR: 07/31/2014	Telephone: 866-480-1028
Date Made Active in Reports: 08/25/2014	Last EDR Contact: 09/17/2014
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/29/2014
	Data Release Frequency: Quarterly

## SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 02/22/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 50	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## **Other Ascertainable Records**

### RCRA NonGen / NLR: RCRA - Non Generators

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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/02/2014	Telephone: (415) 495-8895
Date Made Active in Reports: 09/18/2014	Last EDR Contact: 10/01/2014
Number of Days to Update: 78	Next Scheduled EDR Contact: 01/12/2015
	Data Release Frequency: Varies

### DOT OPS: Incident and Accident Data

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

Date of Government Version: 07/31/2012	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 08/07/2012	Telephone: 202-366-4595
Date Made Active in Reports: 09/18/2012	Last EDR Contact: 08/06/2014
Number of Days to Update: 42	Next Scheduled EDR Contact: 11/17/2014
	Data Release Frequency: Varies

### DOD: Department of Defense Sites

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

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 07/18/2014
Number of Days to Update: 62	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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

## 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: 09/30/2014  
Next Scheduled EDR Contact: 01/12/2015  
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

## 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.



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## RAATS: RCRA Administrative Action Tracking System

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

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

## 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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/23/2014	Telephone: 202-564-8600
Date Made Active in Reports: 07/28/2014	Last EDR Contact: 07/22/2014
Number of Days to Update: 66	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	Source: EPA/NTIS
Date Data Arrived at EDR: 02/26/2013	Telephone: 800-424-9346
Date Made Active in Reports: 04/19/2013	Last EDR Contact: 08/29/2014
Number of Days to Update: 52	Next Scheduled EDR Contact: 12/08/2014
	Data Release Frequency: Biennially

## CA BOND EXP. PLAN: Bond Expenditure Plan

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

Date of Government Version: 01/01/1989	Source: Department of Health Services
Date Data Arrived at EDR: 07/27/1994	Telephone: 916-255-2118
Date Made Active in Reports: 08/02/1994	Last EDR Contact: 05/31/1994
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 01/15/2014	Source: Department of Conservation
Date Data Arrived at EDR: 03/18/2014	Telephone: 916-445-2408
Date Made Active in Reports: 04/24/2014	Last EDR Contact: 09/17/2014
Number of Days to Update: 37	Next Scheduled EDR Contact: 12/29/2014
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 05/19/2014	Source: State Water Resources Control Board
Date Data Arrived at EDR: 05/20/2014	Telephone: 916-445-9379
Date Made Active in Reports: 05/28/2014	Last EDR Contact: 08/18/2014
Number of Days to Update: 8	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	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 07/01/2014	Telephone: 916-323-3400
Date Made Active in Reports: 07/28/2014	Last EDR Contact: 09/30/2014
Number of Days to Update: 27	Next Scheduled EDR Contact: 01/12/2015
	Data Release Frequency: Quarterly

## HIST CORTESE: Hazardous Waste & Substance Site List

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

Date of Government Version: 04/01/2001	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/22/2009	Telephone: 916-323-3400
Date Made Active in Reports: 04/08/2009	Last EDR Contact: 01/22/2009
Number of Days to Update: 76	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## NOTIFY 65: Proposition 65 Records

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

Date of Government Version: 10/21/1993	Source: State Water Resources Control Board
Date Data Arrived at EDR: 11/01/1993	Telephone: 916-445-3846
Date Made Active in Reports: 11/19/1993	Last EDR Contact: 09/22/2014
Number of Days to Update: 18	Next Scheduled EDR Contact: 01/05/2015
	Data Release Frequency: No Update Planned

## DRYCLEANERS: Cleaner Facilities

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

Date of Government Version: 06/28/2014	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 07/03/2014	Telephone: 916-327-4498
Date Made Active in Reports: 08/21/2014	Last EDR Contact: 09/08/2014
Number of Days to Update: 49	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	Source: Los Angeles Water Quality Control Board
Date Data Arrived at EDR: 07/21/2009	Telephone: 213-576-6726
Date Made Active in Reports: 08/03/2009	Last EDR Contact: 09/29/2014
Number of Days to Update: 13	Next Scheduled EDR Contact: 01/12/2015
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ENF: Enforcement Action Listing

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

Date of Government Version: 08/11/2014	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/12/2014	Telephone: 916-445-9379
Date Made Active in Reports: 09/30/2014	Last EDR Contact: 08/08/2014
Number of Days to Update: 49	Next Scheduled EDR Contact: 11/10/2014
	Data Release Frequency: Varies

## HAZNET: Facility and Manifest Data

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

Date of Government Version: 12/31/2012	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 07/16/2013	Telephone: 916-255-1136
Date Made Active in Reports: 08/26/2013	Last EDR Contact: 07/18/2014
Number of Days to Update: 41	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	Source: California Air Resources Board
Date Data Arrived at EDR: 03/25/2014	Telephone: 916-322-2990
Date Made Active in Reports: 04/28/2014	Last EDR Contact: 09/26/2014
Number of Days to Update: 34	Next Scheduled EDR Contact: 01/05/2015
	Data Release Frequency: Varies

## INDIAN RESERV: Indian Reservations

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

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 12/08/2006	Telephone: 202-208-3710
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 07/18/2014
Number of Days to Update: 34	Next Scheduled EDR Contact: 10/27/2014
	Data Release Frequency: Semi-Annually

## SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

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

Date of Government Version: 03/07/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/09/2011	Telephone: 615-532-8599
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 07/25/2014
Number of Days to Update: 54	Next Scheduled EDR Contact: 11/03/2014
	Data Release Frequency: Varies

## FEDLAND: Federal and Indian Lands

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Source: U.S. Geological Survey  
Telephone: 888-275-8747  
Last EDR Contact: 07/18/2014  
Next Scheduled EDR Contact: 10/27/2014  
Data Release Frequency: N/A

## LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

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: 09/30/2014  
Next Scheduled EDR Contact: 01/12/2015  
Data Release Frequency: Quarterly

## WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

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

Source: State Water Resources Control Board  
Telephone: 916-341-5227  
Last EDR Contact: 08/19/2014  
Next Scheduled EDR Contact: 12/08/2014  
Data Release Frequency: Quarterly

## 2020 COR ACTION: 2020 Corrective Action Program List

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

Date of Government Version: 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

## 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

## Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: Department of Toxic Substances Control  
Telephone: 916-255-3628  
Last EDR Contact: 07/25/2014  
Next Scheduled EDR Contact: 11/10/2014  
Data Release Frequency: Varies

## Financial Assurance 2: Financial Assurance Information Listing

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

Date of Government Version: 05/19/2014  
Date Data Arrived at EDR: 05/20/2014  
Date Made Active in Reports: 05/22/2014  
Number of Days to Update: 2

Source: California Integrated Waste Management Board  
Telephone: 916-341-6066  
Last EDR Contact: 08/14/2014  
Next Scheduled EDR Contact: 12/01/2014  
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

## 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

## 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

## 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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## PCB TRANSFORMER: PCB Transformer Registration Database

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

Date of Government Version: 02/01/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/19/2011	Telephone: 202-566-0517
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 08/01/2014
Number of Days to Update: 83	Next Scheduled EDR Contact: 11/10/2014
	Data Release Frequency: Varies

## MWMP: Medical Waste Management Program Listing

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

Date of Government Version: 05/23/2014	Source: Department of Public Health
Date Data Arrived at EDR: 06/13/2014	Telephone: 916-558-1784
Date Made Active in Reports: 07/09/2014	Last EDR Contact: 09/10/2014
Number of Days to Update: 26	Next Scheduled EDR Contact: 12/22/2014
	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	Source: EPA
Date Data Arrived at EDR: 11/06/2013	Telephone: 202-564-2496
Date Made Active in Reports: 12/06/2013	Last EDR Contact: 09/29/2014
Number of Days to Update: 30	Next Scheduled EDR Contact: 01/12/2015
	Data Release Frequency: Annually

## US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/23/2013	Source: EPA
Date Data Arrived at EDR: 11/06/2013	Telephone: 202-564-2496
Date Made Active in Reports: 12/06/2013	Last EDR Contact: 09/29/2014
Number of Days to Update: 30	Next Scheduled EDR Contact: 01/12/2015
	Data Release Frequency: Annually

## COAL ASH DOE: Sleam-Electric Plan Operation Data

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

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 07/18/2014
Number of Days to Update: 76	Next Scheduled EDR Contact: 10/27/2014
	Data Release Frequency: Varies

## 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	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 07/15/2014	Telephone: 916-440-7145
Date Made Active in Reports: 07/28/2014	Last EDR Contact: 07/15/2014
Number of Days to Update: 13	Next Scheduled EDR Contact: 10/27/2014
	Data Release Frequency: Quarterly



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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

## EDR HIGH RISK HISTORICAL RECORDS

### *EDR Exclusive Records*

#### EDR MGP: EDR Proprietary Manufactured Gas Plants

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

Date of Government Version: N/A

Date Data Arrived at EDR: N/A

Date Made Active in Reports: N/A

Number of Days to Update: N/A

Source: EDR, Inc.

Telephone: N/A

Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

#### EDR 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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## EDR RECOVERED GOVERNMENT ARCHIVES

### ***Exclusive Recovered Govt. Archives***

#### RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A	Source: Department of Resources Recycling and Recovery
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/13/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 196	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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 12/30/2013	Last EDR Contact: 06/01/2012
Number of Days to Update: 182	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	Source: Alameda County Environmental Health Services
Date Data Arrived at EDR: 07/28/2014	Telephone: 510-567-6700
Date Made Active in Reports: 09/15/2014	Last EDR Contact: 09/29/2014
Number of Days to Update: 49	Next Scheduled EDR Contact: 01/12/2015
	Data Release Frequency: Semi-Annually

#### Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 07/25/2014	Source: Alameda County Environmental Health Services
Date Data Arrived at EDR: 07/28/2014	Telephone: 510-567-6700
Date Made Active in Reports: 08/20/2014	Last EDR Contact: 09/29/2014
Number of Days to Update: 23	Next Scheduled EDR Contact: 01/12/2015
	Data Release Frequency: Semi-Annually

### AMADOR COUNTY:

#### CUPA Facility List

Cupa Facility List

Date of Government Version: 09/08/2014	Source: Amador County Environmental Health
Date Data Arrived at EDR: 09/09/2014	Telephone: 209-223-6439
Date Made Active in Reports: 09/24/2014	Last EDR Contact: 09/08/2014
Number of Days to Update: 15	Next Scheduled EDR Contact: 12/22/2014
	Data Release Frequency: Varies

### BUTTE COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 09/29/2014  
Next Scheduled EDR Contact: 01/12/2015  
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:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA Facility List

CUPA facility list.

Date of Government Version: 08/25/2014  
Date Data Arrived at EDR: 08/26/2014  
Date Made Active in Reports: 09/29/2014  
Number of Days to Update: 34

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:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 08/21/2014  
Date Data Arrived at EDR: 08/26/2014  
Date Made Active in Reports: 09/29/2014  
Number of Days to Update: 34

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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 08/20/2014  
Date Data Arrived at EDR: 08/26/2014  
Date Made Active in Reports: 09/30/2014  
Number of Days to Update: 35

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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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:



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/06/2014  
Date Data Arrived at EDR: 08/07/2014  
Date Made Active in Reports: 09/30/2014  
Number of Days to Update: 54

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 Oversight Facilities

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

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

Source: Department Of Public Health San Francisco County  
Telephone: 415-252-3920  
Last EDR Contact: 08/07/2014  
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:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 08/22/2014  
Date Data Arrived at EDR: 08/26/2014  
Date Made Active in Reports: 10/01/2014  
Number of Days to Update: 36

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 09/29/2014  
Next Scheduled EDR Contact: 01/12/2015  
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: 09/29/2014  
Next Scheduled EDR Contact: 01/12/2015  
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: Division 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:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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	Source: Ventura County Environmental Health Division
Date Data Arrived at EDR: 08/18/2014	Telephone: 805-654-2813
Date Made Active in Reports: 09/26/2014	Last EDR Contact: 08/14/2014
Number of Days to Update: 39	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	Source: Environmental Health Division
Date Data Arrived at EDR: 12/01/2011	Telephone: 805-654-2813
Date Made Active in Reports: 01/19/2012	Last EDR Contact: 07/01/2014
Number of Days to Update: 49	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	Source: Environmental Health Division
Date Data Arrived at EDR: 06/24/2008	Telephone: 805-654-2813
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 08/13/2014
Number of Days to Update: 37	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	Source: Ventura County Resource Management Agency
Date Data Arrived at EDR: 07/31/2014	Telephone: 805-654-2813
Date Made Active in Reports: 09/15/2014	Last EDR Contact: 07/28/2014
Number of Days to Update: 46	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	Source: Environmental Health Division
Date Data Arrived at EDR: 06/17/2014	Telephone: 805-654-2813
Date Made Active in Reports: 07/11/2014	Last EDR Contact: 09/17/2014
Number of Days to Update: 24	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	Source: Yolo County Department of Health
Date Data Arrived at EDR: 07/07/2014	Telephone: 530-666-8646
Date Made Active in Reports: 08/18/2014	Last EDR Contact: 09/22/2014
Number of Days to Update: 42	Next Scheduled EDR Contact: 01/05/2015
	Data Release Frequency: Annually

## YUBA COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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.

### Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

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



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## STREET AND ADDRESS INFORMATION

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**APPENDIX C**  
**REGULATORY AGENCY RECORDS**

# ASSESSOR'S MAP 455

Code Area Nos.25-027

68

TRACT 1555 (Bk.36, Pg 54)

Scale: 1" = 100'

25-04-04CSL  
Corrected: 11-17-99 RW 6-29-70RM  
Fmly Bk 79F, Bk 2004, 2005, 2006, Pm Bk 1999, 2-19-71RM



BOOK 455



# California Regional Water Quality Control Board

## San Francisco Bay Region

Internet Address: <http://www.swrcb.ca.gov>  
1515 Clay Street, Suite 1400, Oakland, California 94612  
Phone (510) 622-2300 - FAX (510) 622-2460

RECEIVED BY  
FIRE PREVENTION OFFICE  
Gray Davis  
Governor



JUN 19 2001

HAYWARD FIRE DEPARTMENT

Date: June 13, 2001  
File No. 2198.08 (RDB)

Mr. Steve Saray  
Loyola LLC  
PO Box 5944  
San Jose, CA 95150

SUBJECT: Review of *Human Health Risk Assessment* Technical Report, Former Shell Service Station, 27501 Loyola Avenue, Hayward, Alameda County

Dear Mr. Saray:

This letter responds to your May 10, 2001, technical report regarding a Human Health Risk Assessment for the former Shell Service Station at 27501 Loyola Avenue in Hayward. As explained below, I concur with the conclusions of the technical report that residual impacts at the site do not pose a significant risk to human health and the environment.

### Background

The site was operated as a fuel service station from approximately 1956 to 1978, when the station was closed. The underground storage tank (UST) system was excavated and removed between 1983 and 1984. No documentation related to UST system removal activities (including soil sampling data) is available. Heavy impacts to groundwater were identified at the time of the removal. A groundwater pump-and-treat system was operated at the site from 1985 to 1994. The most recent (February 2001) sampling data indicate a maximum concentration of 5.8 mg/L Total Petroleum Hydrocarbons (TPH) and 0.068 mg/L benzene in groundwater and low concentrations of related compounds. Additional soil sample data was collected as part of the human health risk assessment in order to confirm the absence of significant impacts to vadose-zone soils at the property. Samples were tested for TPH, volatile organic compounds, heavy metals and pesticides. None of these chemicals were detected in soil above levels of potential concern.

### Risk Assessment Conclusions

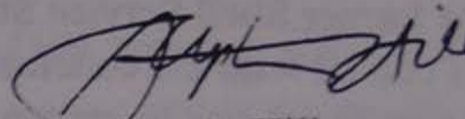
The risk assessment concludes that potential future residents are not likely to come into direct contact with impacted groundwater (and soil in contact with groundwater) remaining in place at the site. Risks due to potential emission of volatile chemicals to indoor air were concluded to be below levels of potential concern. Residual concentrations of petroleum-related chemicals in groundwater are also below correlative risk-based screening levels developed by the San Francisco Regional Water Quality Control Board for potential indoor-air impacts concerns. Remaining impacts to soil and groundwater can be expected to decrease over time due to natural attenuation processes.

I hereby concur with the conclusions of the risk assessment that residual impacts to soil and groundwater at the site do not pose a significant threat to human health and the environment. You are reminded that impacted soil and groundwater that is disturbed or removed during future development activities must be properly managed and disposed of.

If you have any questions, please contact Roger Brewer of my staff at (510) 622-2374 [e-mail [rdb@rb2.swrcb.ca.gov](mailto:rdb@rb2.swrcb.ca.gov)].

Sincerely,

Loretta K. Barsamian  
Executive Officer



Stephen A. Hill  
Chief, Toxics Cleanup Division

cc: Roger Brewer

Mr. Ali Amidy  
Loyola LLC  
43 E. Main St., Suite B  
Los Gatos, CA 95030

Ms. Karen Petryna  
Equiva Services LLC  
PO Box 7869  
Burbank, CA 91501-7869

Mr. Hugh Murphy  
City of Hayward Fire Department  
777 B Street  
Hayward, CA 94541

Ana Friel  
Cambria Environmental Technology, Inc.  
270 Perkins St.  
P.O. Box 259  
Sonoma, CA 95476

July 31, 2000

Mr. Hugh Murphy  
 Environmental Specialist  
 Hayward Fire Department  
 777 B Street  
 Hayward, CA 94541-5007

RECEIVED BY  
 FIRE PREVENTION OFFICE

AUG 01 2000

HAYWARD FIRE DEPARTMENT

Re: **Site Closure Request**  
 Former Shell-Branded Service Station  
 27501 Loyola Street  
 Hayward, California  
 Cambria Project No. 241-934-101  
 WIC Number 204-3336-0300



Dear Mr. Murphy:

As suggested by Danilo Galang in a May 21, 1999 letter to Diane Lundquist, Cambria Environmental Technology (Cambria) is writing to request closure of the site referenced above. As indicated in the attached Site Closure Summary form (Appendix A), the site is a closure candidate. We have summarized hydrocarbon concentrations and distribution in soil and groundwater below.

**SITE DESCRIPTION AND HISTORY**

The site is a former Shell Service Station located at 27501 Loyola Avenue in Hayward, California. The site is located between Loyola Avenue and Hesperian Boulevard, south of Bolero Avenue (Plates 1 and 2).

**Waste Oil Tank Removal:** A waste oil tank was formerly present on-site and has been removed. The removal date and size of the tank are not known. No soil sampling data were found in Shell's files.

**Boring E-1 and E-2 Installation:** In 1983, borings E-1 and E-2 were drilled and monitoring well E-3 was installed. The locations of these borings and well E-3 are presented on Figure 1 in Appendix B. Borings E-1 and E-2 were drilled within the underground storage tanks (UST) backfill and well E-3 was installed in the suspected down-gradient direction from the USTs. No soil samples were collected for chemical analyses.

Oakland, CA  
 San Ramon, CA  
 Sonoma, CA  
 Portland, OR

Cambria  
 Environmental  
 Technology, Inc.

270 Perkins Street  
 P.O. Box 259  
 Sonoma, CA 95476  
 Tel (707) 935-4850  
 Fax (707) 935-6649

**UST Removal:** Between 1983 and 1984, four USTs were removed at the site and well E-3 was destroyed during these activities. No documentation of the UST removal activities, soil sampling, or the volume of soil disposed were found in Shell's files. The extent of soil excavation is depicted on Figure 1 in Appendix B.

**Well S-4 Through S-29 Installation:** In 1984, well S-4 was installed to replace well E-3 and monitoring wells S-5 through S-29 were installed to assess the extent of petroleum hydrocarbons in the groundwater beneath the site (Plate 2). No soil sampling data were found in Shell's files.

**Groundwater Extraction System Installation:** In 1985, selected monitoring wells were converted to groundwater extraction wells to extract separate-phase hydrocarbons (SPH) and groundwater. Groundwater Extraction Systems A and B were installed to extract and treat groundwater from two different areas at the site. Extraction System A consisted of wells S-9, S-19, S-20, S-27, S-28 and S-29 and Extraction System B consisted of wells S-5, S-6, S-12, S-13, S-23, S-25 and S-26. The extraction systems operated at the site from May 1985 through the first quarter of 1994. Extraction wells were equipped with total fluids pumps to extract groundwater and SPH. Extracted fluids were pumped to a separator for SPH removal, then passed through a clarifier prior to discharge to the sanitary sewer system. SPH were routed from the separator to an above-ground tank prior to 1990, and to a below-ground product storage tank after 1990 (Plate 2). The system was modified to enhance product recovery in 1990. In 1994, the groundwater extraction system was shut down due to low hydrocarbon concentrations in groundwater and the results of SVE test data (i.e. low concentrations of petroleum hydrocarbons in soil). A total of 15,623,280 gallons of groundwater were extracted during operation of the system. Approximately 487.75 pounds of SPH were removed during system operation. Approximately 9.5 pounds of dissolved petroleum hydrocarbons were removed.

**Well S-30 through S-38 Installation:** In 1989, nine monitoring wells (S-30 through S-38) were installed at off-site locations (Plate 2). Two soil samples were collected from each boring and were analyzed for total petroleum hydrocarbons as gasoline (TPHg) and benzene, toluene, ethylbenzene and xylenes (BTEX). Soil analytical results are presented in Appendix B. In addition, aquifer tests were performed on the extraction system and these data were used to modify the extraction system.

**Product Tank Removal:** In 1993, the 1,000-gallon steel underground product recovery tank and associated piping were removed and transported to a disposal facility. Two soil samples (EX-1 and EX-2) were collected from the ends of the tank excavation and a soil stockpile sample was

collected and analyzed for TPHg, BTEX and total lead. Soil analytical results are presented in Appendix B. No documentation regarding soil disposal was found in Shell's files

**Well Abandonment:** On-site wells S-15, S-16 and S-17 and off-site wells S-34 and S-35 were abandoned under permit after the City of Hayward Fire Department approved removing them from the sampling program.

**Soil Vapor Extraction Test:** In 1994, a soil vapor extraction (SVE) test was performed at the site. The SVE testing removed approximately 36.80 pounds of TPHg and 0.21 pound of benzene. Based on SVE test data that indicated no significant hydrocarbon mass remained in the vadose zone, the groundwater extraction system at the site was shut down.

**Oxygen Releasing Compound Installation:** To enhance natural attenuation of remaining aqueous-phase petroleum hydrocarbons, Oxygen Releasing Compounds (ORCs) were installed in wells S-7, S-12, S-21, S-22, S-24, and S-37 during the third quarter of 1995.

### Subsurface Characterization *Sampling Summary*

Soils beneath the site consist primarily of silt with interbedded sand from near surface to depths of up to 7 to 10 feet below grade (fbg). Underlying the silt are sands to depths of 12 to 15 fbg. The sands are underlain by interbedded sand and clay with occasional gravel to a total explored depth of approximately 31 fbg. Copies of exploratory boring logs, well completion details, and geologic cross-sections are presented in Appendix C.

### Off-Site Hydrocarbon Source Search

Based on the results of soil and groundwater sample analyses, no off-site sources are suspected to be affecting the site.

### Soil Sampling Summary

In 1984, well S-4 was installed to replace destroyed well E-3. Petroleum hydrocarbons were observed in the soils between depths of 11 and 14 fbg. In addition, wells S-5 through S-22 were installed to assess the extent of petroleum hydrocarbons in the groundwater beneath the site. SPH were observed in wells S-4 through S-7, S-11 through S-13, and S-18 through S-22, located along the northeastern, southeastern, and southwestern boundaries of the site. SPH were not observed in wells S-10 and S-14 through S-17, located along the northwestern boundary of the site. No



soil samples were collected for analysis. Wells S-23 through S-29 were installed at the site in 1984. No documentation of soil sampling data was found in Shell's files.

In 1989, nine monitoring wells (S-30 through S-38) were installed at off-site locations to depths of up to 21 ftg. TPH<sub>g</sub> and BTEX were not detected in soil. Soil analytical results are presented in Appendix B.

In 1993, the underground product recovery tank was removed. Two soil samples (EX-1 and EX-2) were collected from the ends of the tank excavation at a depth of approximately 5 ftg. One soil subsample composite sample was for soil classification and disposal purposes. TPH<sub>g</sub> and BTEX were not in the soil samples. Soil analytical results are presented in Appendix B.

Based on these soil analytic results, it appears that hydrocarbons in soil are primarily at depths of 11 to 14 ft depth. These hydrocarbons do not appear to extend off-site in soils to properties north or south of the site.

### Groundwater Monitoring and Sampling Summary

Groundwater beneath the subject site has historically ranged in depth from 8.55 to 13.27 ftg. The groundwater flow direction is southward at a gradient of approximately 0.015. Copies of representative groundwater contour maps are presented in Appendix D. Groundwater monitoring results are presented in Table 1 - Well Concentrations (Appendix D).

The groundwater extraction system effectively eliminated SPH from groundwater. As shown on Table 1 in Appendix D, no SPH have been detected since 1990. Concentrations of petroleum hydrocarbons have also continued to decrease over time, indicating that this is a shrinking plume.

### Low-Risk Site Evaluation

**Source Removal:** The source of petroleum hydrocarbons was removed through soil excavation activities associated with removal of the four USTs and waste oil tank at the site. Groundwater extraction removed an estimated 487.75 pounds of SPH and 9.5 pounds of dissolved hydrocarbons. SVE testing removed approximately 36.80 pounds of TPH<sub>g</sub> and 0.21 pounds of benzene.

*Sensitive Receptors:* No water supply wells exist within the petroleum hydrocarbon-impacted area. There are no wetlands, marshes, mudflats, aquatic plants or wildlife in close proximity to the subject property.

*Low Risk Site Characterization:* Groundwater is encountered at depths less than 50 fbg. No water supply wells exist within the petroleum hydrocarbon-impacted area. Petroleum hydrocarbons in groundwater have been historically detected at decreasing levels and are finite in extent. The plume is shrinking and continues to undergo natural attenuation. Based on these criteria, the subject property can be classified as a low risk site.

## Conclusions

Soil excavation has been performed to remove petroleum hydrocarbons in soil. The extent of hydrocarbons has been delineated by drilling soil borings and installing groundwater monitoring wells. Groundwater extraction was performed at the site from May 1985 through the first quarter 1994 when the system was shut down due to low influent hydrocarbon concentrations. No SPH have been detected in monitoring wells since 1991 and petroleum hydrocarbon concentrations in groundwater continue to decrease through natural attenuation processes. SVE testing performed in 1994 removed approximately 36.80 pounds of TPH-G and 0.21 pounds of benzene. To expedite natural attenuation processes, ORC was installed in wells containing petroleum hydrocarbons in August 1995.

Historical site data indicate that the plume is shrinking and that natural attenuation processes will continue to mitigate hydrocarbons present in the groundwater in the vicinity of wells S-7, S-12, S-21, S-22, S-24, and S-37.

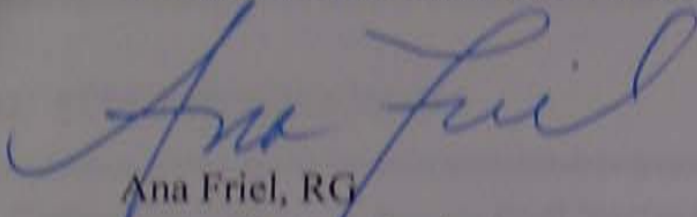
## Recommendations

Data presented in this document indicate that source removal has been performed and there is currently no threat to groundwater from soils containing petroleum hydrocarbons. Natural attenuation processes are decreasing concentrations of petroleum hydrocarbons found in the groundwater. Therefore, we respectfully request that case closure be granted.

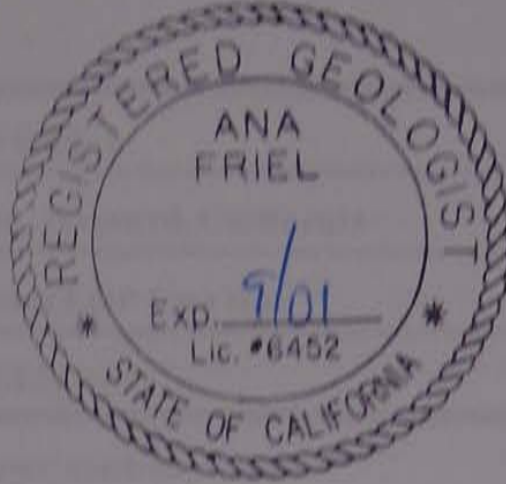
If you have any questions regarding this submittal, please contact Joe Neely at (707) 933-2361.

Sincerely,

**Cambria Environmental Technology, Inc.**



Ana Friel, RG  
Senior Project Geologist  
RG #6452



Attachments

Plate 1. Site Vicinity Map (Enviros)

Plate 2. Site Plan (Enviros)

- Appendix A. Site Closure Summary Form (with attachments)
- Appendix B. Soil Sampling Data and Figures
- Appendix C. Exploratory Soil Borings, Well Construction Details, Geologic Cross-Sections
- Appendix D. Groundwater Monitoring and Sampling Data Summary

cc: Karen Petryna, Equiva Services LLC  
Chuck Headlee, RWQCB

## SITE CLOSURE SUMMARY

### AGENCY INFORMATION

Date: July 31, 2000

Agency Name:	City of Hayward Fire Dept	Address:	777 B Street
City/State/Zip:	Hayward, CA 94541-5007	Phone:	(510) 583-4924
Responsible Staff Person:	Hugh Murphy	Title:	Environmental Specialist

### II. SITE INFORMATION

Site Facility Name: <b>Former Shell Service Station</b>				
Site Facility Address: <b>27501 Loyola Avenue., Hayward, California</b>				
RB LUSTIS Case No.	Local or LOP Case No.:	Priority:		
URF Filing Date:	SWEEPS No.:			
Responsible Parties (include addresses and phone numbers)				
<b>Equiva Services LLC, P.O. Box 7869, Burbank, CA 91501-7869</b>				
<b>Attn: Karen Petryna</b>				
<b>(559) 645-9306</b>				
Tank No.	Size in Gallons	Contents	Closed In-Place/Removed?	Date
1, 2, 3, 4	Unknown	Gasoline	Removed	1983/1984
5	Unknown	Waste oil	Removed	
6	1,000-gallon	Product Recovery	Removed	Dec 1993

### III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: <b>Unknown</b>			
Site characterization complete?	Yes	Date Approved By Oversight Agency:	
Monitoring wells installed?	Yes	Number: 35	Proper screened interval? Yes
Highest GW Depth Below Ground Surface: 8.55	Lowest Depth: 15.27	Flow Direction: Southward/Southeast	
Most Sensitive Current Use: <b>None</b>			
Most Sensitive Potential Use: <b>Irrigation/industrial water supply</b> and Probability of Use: <b>Low probability of use</b>			
Are drinking water wells affected?	No	Aquifer Name: <b>Unknown</b>	

Surface water affected?	No	Nearest SW Name: N/A
Off-Site Beneficial Use Impacts (Addresses/Locations): No off-site impact indicated by data		
Report(s) on file?	Yes	Where is report(s) filed? City of Hayward, RWQCB-SFBR

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL			
Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Fuel tank and Waste Oil Tanks	5-Unknown	Disposal facility unknown	1983/1984
Product Recovery Tank	1-1,000 gallon	Erickson, Inc., Richmond, CA	Dec 1993
Soil	Unknown	Disposal facility unknown	1983/1984
Groundwater	15,623,280 gallons	Product recovery – Discharge under POTW Permit	5/85 to 3/94

MAXIMUM DOCUMENTED POLLUTANT CONCENTRATIONS—BEFORE AND AFTER CLEANUP									
POLLUTANT	Soil (ppm)		Water (ppb)		POLLUTANT	Soil (ppm)		Water (ppb)	
	Before	After	Before	After		Before	After	Before	After
TPH (Gas)	ND	Unkn	SPH	8700	Xylenes	ND	Unkn	SPH	8
TPH (Diesel)	NA	NA	NA	NA	Ethylbenzene	ND	Unkn	SPH	22
Benzene	ND	Unkn	SPH	5	Oil & Grease	NA	NA	NA	---
Toluene	ND	Unkn	SPH	3.1	Heavy Metals	NA	NA	NA	---
Other					Other				

Comments (Depth of Remediation, etc.): 15,623,280 gallons of water were extracted by a groundwater treatment system over a period of 9 years (5/85 through 3/94) to remove dissolved hydrocarbons from groundwater. SVE testing in 1994 removed 36.80 lbs. Of TPHg and 0.21 lbs. Of benzene. No floating product has been detected in monitoring wells since 1/91. As of 2/96, only wells S-7, S-12, S-21, S-22, S-24 and S-37 contained detectable concentrations of TPHg and benzene, and these concentrations are continuing to decrease by natural attenuation processes.

#### IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan?			Yes
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan?			Yes
Does corrective action protect public health for current land use?			Yes
Site Management Requirements: None required			
Monitoring Wells Decommissioned: Yes		Number Decommissioned: 6	Number Retained: 33
List Enforcement Actions Taken: None			

ist Enforcement Actions Rescinded: **None**

**V. TECHNICAL REPORTS, CORRESPONDENCE ETC., THAT THIS CLOSURE RECOMMENDATION WAS BASED UPON**

SEE ATTACHMENT 1 FOR LIST OF CORRESPONDENCES AND SITE REPORTS

**VI. ADDITIONAL COMMENTS, DATA, ETC.**

PLEASE INCLUDE/ATTACH THE FOLLOWING AS APPROPRIATE:

- 1) SITE MAP INDICATING TANK PIT LOCATION, MONITORING WELL LOCATION, GROUNDWATER GRADIENT, ETC.; AND,
- 2) SITE COMMENTS WORTHY OF NOTICE (E.G., AREA OF RESIDUAL POLLUTION LEFT IN PLACE, DEED NOTICES ETC.)

Based on RWQCB criteria, the subject property can be classified as a low-risk site. Groundwater is shallow, nor water supply wells are screened within the shallow groundwater zone, and no surface water features or sensitive habitats have been affected by the release at this site. Historical groundwater data indicate that source removal has been effective and that the plume is shrinking. Residual hydrocarbons in groundwater are expected to continue to undergo natural attenuation processes.

The site maps, logs, groundwater data, etc are included as other appendices in the Case Closure Request submittal.

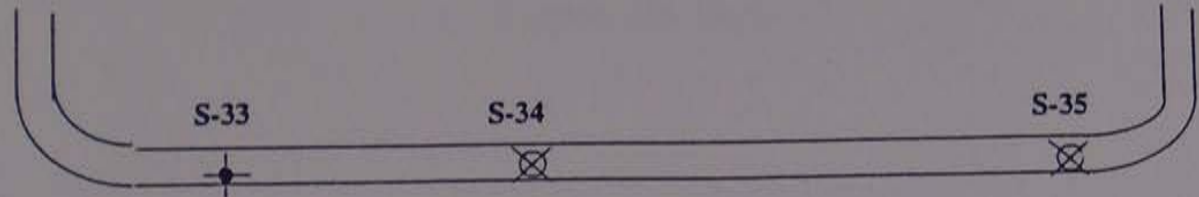
A Data Summary is included as Attachment 2.



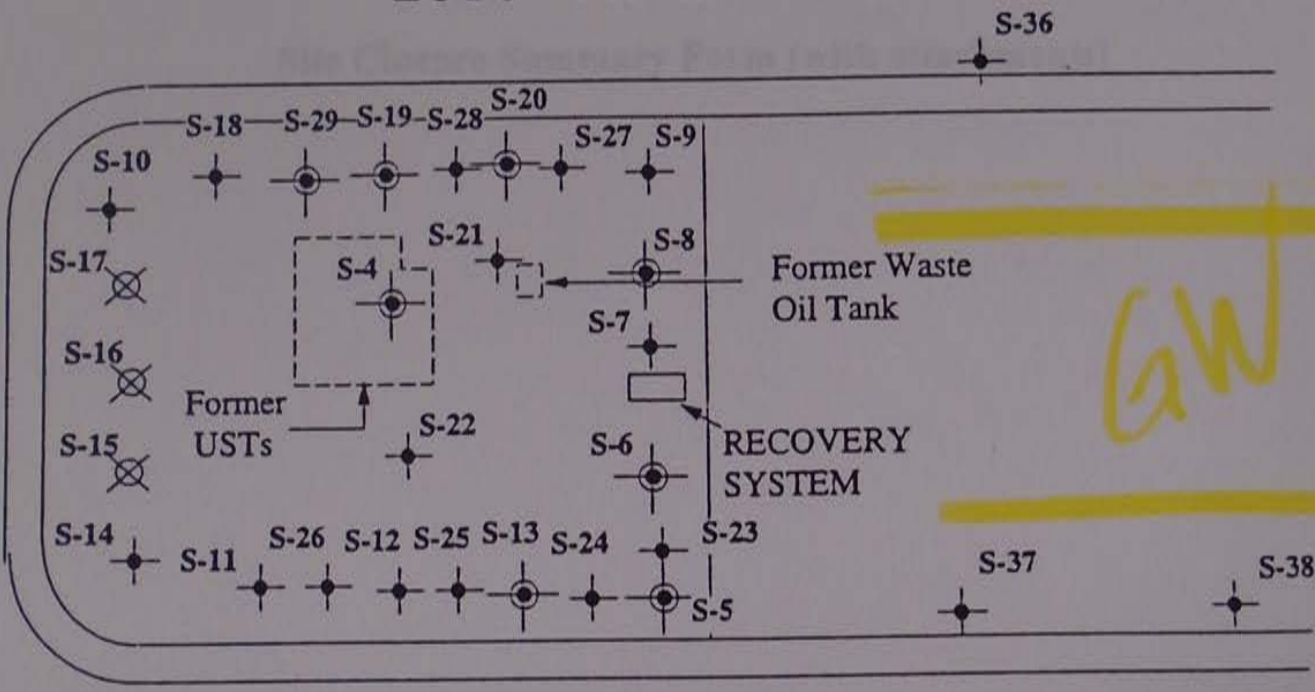
**EXPLANATION**

- Groundwater Monitoring Well
- Groundwater Extraction Well
- Abandoned Groundwater Monitoring Well

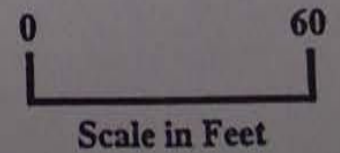
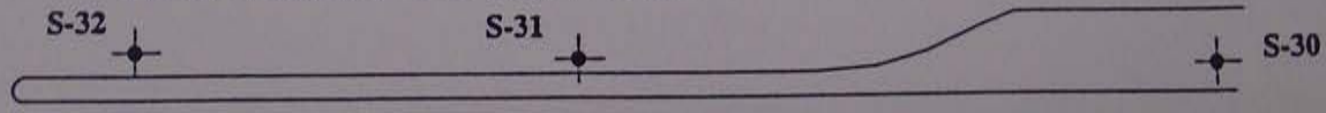
**BOLERO AVENUE**



**LOYOLA AVENUE**



**HESPERIAN BOULEVARD**



Base map taken from Pacific Environmental Group site plan.

PLATE

**2**

**SITE PLAN**

Former Shell Service Station  
 27501 Loyola Avenue  
 Hayward, California

**enviros**®

95286

Drawn By: JLP

Date: 6-24-95

Approved By: CJG

Date: 10/13/95

## DATA SUMMARY

FORMER SHELL SERVICE STATION  
27501 Loyola Avenue  
Hayward, California  
WIC #204-3336-0300

---

### Site Description and History

The subject site is a former Shell Service Station located at 27501 Loyola Avenue in Hayward, California. The site is located between Loyola Avenue and Hesperian Boulevard, south of Bolero Avenue (Plates 1 and 2).

A waste oil tank was formerly present on-site and has been removed. The date of removal and size of tank are not known. No soil sampling data were found in Shell's files.

In 1983, two borings (E-1 and E-2) were drilled and monitoring well E-3 was installed. The locations of these borings and Well E-3 are presented on Figure 1 - Boring Location Map (Appendix A). Borings E-1 and E-2 were drilled within the underground storage tanks (USTs) backfill and Well E-3 was installed in the suspected down-gradient direction from the USTs. No soil samples were collected for chemical analyses.

Between 1983 and 1984, four USTs were removed at the site and Well E-3 was destroyed during construction activities. No documentation of the UST removal activities was found in Shell's files.

In 1984, Well S-4 was installed to replace Well E-3 and monitoring wells S-5 through S-29 were installed to assess the extent of petroleum hydrocarbons in the ground water beneath the site (Plate 2). No soil sampling data were found in Shell's files.

In 1985, selected monitoring wells were converted to ground water extraction wells. Extraction System A consisted of Wells S-9, S-19, S-20, S-27, S-28 and S-29 and Extraction System B consisted of Wells S-5, S-6, S-12, S-13, S-23, S-25 and S-26. Extraction systems A and B were operated alternately. The SPH were pumped to a 1000-gallon UST and subsequently recycled. Ground water was treated and discharged to the sanitary sewer system. In 1990, the system was modified and free product were subsequently pumped to an above ground tank (Plate 2).

In 1986, an evaluation of extraction systems A and B was performed. Up to 0.5 feet of SPH had been observed in half of the wells at the site, including extraction wells. A recommendation was made to change from alternate pumping of extraction systems A and B to continuous pumping of all or selected extraction wells in both extraction systems to enhance ground water remediation.

In 1989, nine monitoring wells (S-30 through S-38) were installed at off-site locations (Plate 2). Two soil samples were collected from each boring and were analyzed for Total Petroleum Hydrocarbons as gasoline (TPH-G) and benzene, toluene, ethylbenzene and xylenes (BTEX). Soil analytical results are presented in Appendix A. In addition, aquifer tests were performed on the extraction system and these data were used to modify the extraction system.



In 1993, the 1,000-gallon steel underground product recovery tank and associated piping were removed and transported to an appropriate disposal facility. Two soil samples (EX-1 and EX-2) were collected from the ends of the tank excavation and a soil stockpile sample was collected and analyzed for TPH-G, BTEX and total lead. Soil analytical results are presented in Appendix A. Additionally, three on-site wells (S-15, S-16 and S-17) and two off-site wells (S-34 and S-35) were properly abandoned after the City of Hayward Fire Department approved removing them from the sampling program.

In 1994, a soil vapor extraction (SVE) test was performed at the site. The SVE testing removed approximately 36.80 pounds of TPH-G and 0.21 pound of benzene. Based on SVE test data, the ground water extraction system at the site was shut down.

### **Subsurface Characterization**

Soils beneath the site consist predominately of silt with interbedded sand from near surface to depths of up to 7 to 10 feet below grade (fbg). Underlying the silt are sands to depths of 12 to 15 fbg. The sands are underlain by interbedded sand and clay with occasional gravel to a total explored depth of approximately 31 fbg. Copies of exploratory boring logs, well completion details, and geologic cross-sections are presented in Appendix C.

### **Off-Site Source Search**

Based on the results of soil and ground water sample analyses, no off-site sources are suspected to be affecting the site.

### **Soil Sampling Summary**

In 1984, two borings (E-1 and E-2) were drilled and one monitoring well (E-3) was installed at the site. Product odor was noticed in each boring at depths of approximately 9 to 11 fbg. During this time period, the USTs were removed from the site and Well E-3 was destroyed. No chemical data for soil sampling related to the USTs removal were found in Shell's files. The extent of soil excavation is presented on Figure 1-Boring Location Map (Appendix A).

In 1984, Well S-4 was installed to replace destroyed Well E-3. Petroleum hydrocarbons were observed in the soils between depths of 11 and 14 fbg. In addition, Wells S-5 through S-22 were installed to assess the extent of petroleum hydrocarbons in the ground water beneath the site. SPH were observed in Wells S-4 through S-7, S-11 through S-13, and S-18 through S-22, located along the northeastern, southeastern, and southwestern boundaries of the site. SPH were not observed in Wells S-10 and S-14 through S-17, located along the northwestern boundary of the site. No soil samples were collected for analysis. Wells S-23 through S-29 were installed at the site in 1984. No documentation of soil sampling data was found in Shell's files.

In 1989, nine monitoring wells (S-30 through S-38) were installed at off-site locations to depths of up to 31 fbg. Soil samples did not contain TPH-G or BTEX. Soil analytical results are presented in Appendix A.

In 1993, the underground product recovery tank was removed. Two soil samples (EX-1 and EX-2) were collected from the ends of the tank excavation at a depth of approximately 5 fbg. One soil stockpile composite sample was for soil classification and disposal purposes. TPH-G and BTEX were not detected in the soil samples. Soil analytical results are presented in Appendix A.

### Summary

Soils were excavated following the removal of the former USTs. The extent of excavation is shown in Figure 1 (Appendix A). Wells S-1 through S-38 were installed and sampled to delineate the extent of hydrocarbons in the soil and ground water on- and off-site. Petroleum hydrocarbons were observed in Well S-4 and hydrocarbon odors were detected during installation of Wells S-1, S-2, S-3, and S-5 through S-22 located within the former UST complex and on the site property. Soil samples collected from off-site locations (Wells S-30 through S-38) were non-detect for TPH-G and BTEX. Therefore, soils containing petroleum hydrocarbons appear to be confined within the site property boundaries.

### **Soil Removal**

Between 1983 and 1994, an undocumented volume of soil was excavated during removal of the four USTs, the waste oil tank, and the product recovery tank.

### **Ground Water Monitoring and Sampling Summary**

Ground water beneath the subject site has historically ranged in depth from 9.16 to 14.82 fbg. The ground water flow direction is toward the southwest at a gradient of approximately 0.005. Copies of representative ground water contour maps are presented in Appendix B. Ground water monitoring results are presented in Table 1 - Well Concentrations (Appendix B).

The operation of the ground water extraction system at the site eliminated SPH in the shallow ground water. No SPH were detected after 1991. Concentrations of petroleum hydrocarbons have continued to decrease. Sampling reductions for several wells have been implemented. Currently, only five wells (S-7, S-12, S-21, S-22, S-24 and S-37) contain detectable levels of petroleum hydrocarbons. These wells have shown decreasing petroleum hydrocarbon concentrations over time.

### Summary

Ground water samples have been collected on a quarterly or semi-annual basis since 1989. Since January 1991, no SPH have been detected in the ground water monitoring wells located on- or off-site. Petroleum hydrocarbon concentrations in the existing monitoring well network appear to have either declined or stabilized due to previous remediation activities (i.e. ground water extraction and SVE testing) and natural attenuation processes.

The ground water extraction system was shut down in 1994 due to low petroleum hydrocarbon concentrations in the extracted ground water and the continued absence of

SPH. As of February 1996, TPH-G and/or benzene were only detected in ground water samples collected from wells S-7, S-12, S-21, S-22, S-24, and S-37. To enhance natural attenuation of remaining petroleum hydrocarbons in the subsurface, Oxygen Release Compound (ORC) material was installed in these wells during the third quarter of 1995. ORC is expected to expedite the natural degradation of petroleum hydrocarbons in ground water.

### **SVE Testing**

In 1994 a 5-day SVE test was performed using existing Wells S-4 and S-7. Approximately 36.80 pounds of TPH-G and 0.21 pounds of benzene were removed. It was determined that only low levels of petroleum hydrocarbons were present in soils. Based on these data and ongoing ground water extraction system performance, the system was shut down.

### **Ground Water Extraction System**

The extraction system operated at the site from May 1985 through the first quarter of 1994. Selected wells were equipped with total fluids pumps to extract ground water containing dissolved hydrocarbons and SPH. Extracted ground water was pumped to a separator for removal of SPH, then passed through a clarifier prior to discharge to the sanitary sewer system. SPH were routed from the separator to a below-ground product storage tank. The system was modified to enhance product recovery in 1990. In 1994, the ground water extraction system was shut down due to low hydrocarbon concentrations in ground water and the results of SVE test data (i.e. low concentrations of petroleum hydrocarbons in soil): A total of 15,623,280 gallons of ground water were extracted during operation of the system. Approximately 487.75 pounds of SPH were removed during system operation. Approximately 9.5 pounds of dissolved petroleum hydrocarbons were removed.

### **Low-Risk Site Evaluation**

#### Source Removal

The source of petroleum hydrocarbons was removed through soil excavation activities associated with removal of the four USTs and waste oil tank at the site. Ground water extraction removed an estimated 487.75 pounds of SPH and 9.5 pounds of dissolved hydrocarbons. SVE testing removed approximately 36.80 pounds of TPH-G and 0.21 pounds of benzene.

#### Sensitive Receptors

No water supply wells exist within the petroleum hydrocarbon-impacted area. There are no wetlands, marshes, mudflats, aquatic plants or wildlife in close proximity to the subject property.

#### Low Risk Site Characterization

Ground water is encountered at depths less than 50 fbg. No water supply wells exist within the petroleum hydrocarbon-impacted area. Petroleum hydrocarbons in ground water have been historically detected at decreasing levels and are finite in extent. The plume has remained stable and continues to undergo natural attenuation. Based on these criteria, the subject property can be classified as a low risk site.

**Conclusions**

Soil excavation has been performed to remove petroleum hydrocarbons in soil. The extent of hydrocarbons has been delineated by drilling soil borings and installing ground water monitoring wells.

Ground water extraction was performed at the site from May 1985 through the first quarter 1994 when the system was shut down due to low influent hydrocarbon concentrations. No SPH have been detected in monitoring wells since 1991 and petroleum hydrocarbon concentrations in ground water continue to decrease through natural attenuation processes.

SVE testing performed in 1994 removed approximately 36.80 pounds of TPH-G and 0.21 pounds of benzene. To expedite natural attenuation processes, ORC was installed in wells containing petroleum hydrocarbons in August 1995.

Historical site data indicate that the plume is stable and that natural attenuation processes will continue to mitigate hydrocarbons present in the ground water in the vicinity of wells S-7, S-12, S-21, S-22, S-24, and S-37.

**Recommendations**

Data presented in this document indicate that source removal has been performed and there is currently no threat to ground water from soils containing petroleum hydrocarbons. Natural attenuation processes are decreasing concentrations of petroleum hydrocarbons found in the ground water. ORC is expected to expedite natural attenuation processes. Therefore, we respectfully request that case closure be granted.

**CASE CLOSURE FORM**  
LEAKING UNDERGROUND FUEL STORAGE TANK PROGRAM

**Agency Information**

Agency name: City of Hayward Fire Department (HFD)	Address: 25151 Clawiter Road
City/State/Zip: Hayward, California 94545-2759	Phone: (510) 293-8695
Responsible staff person: Hugh Murphy	Title:

**II. Case Information**

Site facility name: Former Shell Service Station				
Site facility address: 27501 Loyola Avenue, Hayward, California				
RB LUSTIS Case No.:	Local case No.:	LOP Case No.:		
URF filing date:	SWEEPS No.:			
Responsible Parties	Addresses	Phone Numbers		
Shell Oil Products Company - Attn: Mr. R. Jeff Granberry	P.O. Box 4023 Concord, California 94524	(510) 675-6168		
Tank No.	Size in Gal.	Contents	Closed in-Place/Removed?	Date
1,2,3,4	Unknown	Gasoline	Removed	1983/1984
5	Unknown	Waste Oil	Removed	
6	1000-gal.	Product Recovery 1993	Removed	December

**III. Release and Site Characterization Information**

Cause and type of release: Unknown			
Site characterization complete?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Date approved by oversight agency:	
Monitoring wells installed?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Number: 35	Proper screened interval?: Yes
Shallowest GW depth below ground surface: 9.16 Ft.	Deepest depth: 14.82 Ft.	Flow direction: SE	
Most sensitive current use: None			
Are drinking water wells affected?	Yes <input type="radio"/> <input checked="" type="radio"/> No	Aquifer name: Unknown	
Is surface water affected?	Yes <input type="radio"/> <input checked="" type="radio"/> No	Nearest/affected SW name: N/A	
Off-site beneficial use impacts (addresses/locations): Data indicate off-site uses not affected			
Report(s) on file? Yes	Where is report(s) filed? RWQCB - San Francisco Bay Region, HFD		

**Treatment and Disposal of Affected Material**

Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Fuel Tank and Waste Oil Tanks	5-Unknown	Disposal facility unknown	1983/1984
Product Recovery Tank	1-1,000 gallons	Erickson, Inc., Richmond, Ca.	Dec. 1993
Soil	Unknown	Disposal facility unknown	1983/1984
Groundwater	15,623,280 gallons	Product recovery - Discharge under POTW Permit	5/85 to 3/94

## and Site Characterization Information (Continued)

Documented Contaminant Concentrations - - Before and After Cleanup									
Contaminant	Soil (ppm)		Water (ppb)		Contaminant	Soil (ppm)		Water (ppb)	
	Before	After	Before	After		Before	After	Before	After
TPH (Gas)	ND	Unk.	SPH	8700					
Benzene	ND	Unk	SPH	5					
Toluene	ND	Unk	SPH	3.1					
Ethylbenzene	ND	Unk	SPH	8					
Xylenes	ND	Unk	SPH	22					

**Comments (Depth of Remediation, etc.):** 15,623,280 gallons of water were extracted by a ground water treatment system over a period of 9 years (5/85 through 3/94) to remove dissolved hydrocarbons from ground water. SVE testing in 1994 removed 36.80 lbs. of TPH-G and 0.21 lbs. of benzene. No floating product has been detected in monitoring wells since 1/91. As of 2/96, only Wells S-7, S-12, S-21, S-22, S-24 and S-37 contained detectable concentrations of TPH and benzene, and these concentrations are continuing to decrease via in-place biodegradation.

### IV. Closure

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan?		
<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan?		
<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Does corrective action protect public health for current land use? <input checked="" type="radio"/> Yes <input type="radio"/> No		
Site management requirements: None required		
Should corrective action be reviewed if land use changes? <input type="radio"/> Yes <input checked="" type="radio"/> No		
Monitoring wells decommissioned: <input checked="" type="radio"/> Yes	Number decommissioned: 6	Number retained: 33
List enforcement actions taken:		
List enforcement actions rescinded:		

### V. Local Agency Representative Data

Name: Mr. Hugh Murphy	Title:
Signature	Date:

### VI. RWQCB Notification

Date submitted to RB:	RB response:	
RWQCB staff name:	Title:	Date:

### VII. Additional Comments, Data, etc.

Based on RWQCB criteria, the subject property can be classified as a low-risk site. Ground water is shallow, no water supply wells are screened within the shallow ground water zone, and no surface water features or sensitive habitats have been affected by the release at this site. Historical ground water data indicate that source removal has been effective and that the plume is stable. Residual hydrocarbons in ground water are expected to continue to undergo natural attenuation processes.

# SEQUOIA ANALYTICAL

819 Striker Avenue, Suite 8 • Sacramento, CA 95834  
(916) 921-9600 • FAX (916) 921-0100

RECEIVED

DEC 28 1993

EMCON

Associates  
Market Blvd.  
Sacramento, CA 95834  
Contact: Harold R. Duke

Project: Shell Oil, 27501 Loyola Ave., Hayward

Enclosed are the results from 4 soil samples received at Sequoia Analytical on December 15, 1993. The requested analyses are listed below:

SAMPLE #	SAMPLE DESCRIPTION	DATE OF COLLECTION	TEST METHOD
3120641	Soil, EX-1	12/15/93	EPA 5030/8015/8020 Total Lead
3120642	Soil, EX-2	12/15/93	EPA 5030/8015/8020 Total Lead
3120643	Soil, ST(ABCD)	12/15/93	EPA 5030/8015/8020 CAM Metals Organic Lead

Please contact me if you have any questions. In the meantime, thank you for the opportunity to work with you on this project.

Very truly yours,

SEQUOIA ANALYTICAL

Linda C. Schneider  
Project Manager

# SEQUOIA ANALYTICAL

819 Striker Avenue, Suite 8 • Sacramento, CA 95834  
 (916) 921-9600 • FAX (916) 921-0100

Associates  
 Market Blvd.  
 Sacramento, CA 95834  
 Contact: Harold R. Duke

Client Project ID: Shell Oil, 27501 Loyola Ave., Hayward  
 Sample Matrix: Soil  
 Analysis Method: EPA 5030/8015/8020  
 First Sample #: 312-0641

Sampled: Dec 15, 1993  
 Received: Dec 15, 1993  
 Reported: Dec 22, 1993

## TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit mg/kg	Sample I.D. 312-0641 EX-1	Sample I.D. 312-0642 EX-2	Sample I.D. 312-0643 ST(ABCD)
Purgeable Hydrocarbons	1.0	N.D.	N.D.	N.D.
Benzene	0.005	N.D.	N.D.	N.D.
Toluene	0.005	N.D.	N.D.	N.D.
Ethyl Benzene	0.005	N.D.	N.D.	N.D.
Total Xylenes	0.005	N.D.	N.D.	N.D.
Chromatogram Pattern:		--	--	--

### Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0	1.0
Date Analyzed:	12/20/93	12/20/93	12/20/93
Instrument Identification:	HP1	HP1	HP1
Surrogate Recovery, %: (QC Limits = 70-130%)	94	82	75

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.  
 Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL

*Linda C. Schneider*

Linda C. Schneider  
 Project Manager



Associates  
 Market Blvd.  
 Sacramento, CA 95834  
 Contact: Harold R. Duke

Client Project ID: Shell Oil, 27501 Loyola Ave., Hayward  
 Sample Matrix: Soil  
 Analysis Method: EPA 5030/8015/8020  
 First Sample #: 312-0641

Sampled: Dec 15, 1993  
 Received: Dec 15, 1993  
 Reported: Dec 22, 1993

**TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION**

Analyte	Reporting Limit mg/kg	Sample I.D. 312-0641 EX-1	Sample I.D. 312-0642 EX-2	Sample I.D. 312-0643 ST(ABCD)
Purgeable Hydrocarbons	1.0	N.D.	N.D.	N.D.
Benzene	0.005	N.D.	N.D.	N.D.
Toluene	0.005	N.D.	N.D.	N.D.
Ethyl Benzene	0.005	N.D.	N.D.	N.D.
Total Xylenes	0.005	N.D.	N.D.	N.D.

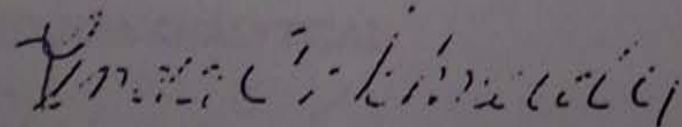
Chromatogram Pattern:                      ..                      ..                      ..

**Quality Control Data**

Report Limit Multiplication Factor:	1.0	1.0	1.0
Date Analyzed:	12/20/93	12/20/93	12/20/93
Instrument Identification:	HP1	HP1	HP1
Surrogate Recovery, %: (QC Limits = 70-130%)	94	82	75

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.  
 Analytes reported as N.D. were not detected above the stated reporting limit.

**SEQUOIA ANALYTICAL**



Linda C. Schneider  
 Project Manager



# SEQUOIA ANALYTICAL

819 Striker Avenue, Suite 8 • Sacramento, CA 95834  
 (916) 921-9600 • FAX (916) 921-0100

Associates  
 N. Market Blvd.  
 Sacramento, CA 95834  
 Attention: Harold R. Duke

Client Project ID: Shell Oil, 27501 Loyola Ave., Hayward  
 Sample Descript: Soil, ST(ABCD)  
 Lab Number: 312-0643

Sampled: Dec 15, 1993  
 Received: Dec 15, 1993  
 Extracted: Dec 21, 1993  
 Reported: Dec 22, 1993

## INORGANIC PERSISTENT AND BIOACCUMULATIVE TOXIC SUBSTANCES

Soluble Threshold Limit Concentration  
 Waste Extraction Test

Total Threshold Limit Concentration

Analyte	STLC Max. Limit (mg/L)	Detection Limit (mg/L)	Analysis Result (mg/L)	TTLIC Max. Limit (mg/kg)	Detection Limit (mg/kg)	Analysis Result (mg/kg)
Antimony	15	0.10	-	500	5.0	N.D.
Arsenic	5.0	0.10	-	500	5.0	N.D.
Barium	100	0.10	-	10,000	2.5	73
Beryllium	0.75	0.010	-	75	0.50	N.D.
Cadmium	1.0	0.010	-	100	0.50	N.D.
Chromium (VI)	5.0	0.0050	-	500	0.050	-
Chromium (III)	560	0.010	-	2,500	0.50	22
Cobalt	80	0.050	-	8,000	1.5	5.8
Copper	25	0.010	-	2,500	0.50	15
Lead	5.0	0.10	-	1,000	2.5	13
Mercury	0.20	0.00020	-	20	0.010	N.D.
Molybdenum	350	0.050	-	3,500	1.5	N.D.
Nickel	20	0.050	-	2,000	1.5	27
Selenium	1.0	0.10	-	100	5.0	N.D.
Silver	5.0	0.010	-	500	0.50	N.D.
Thallium	7.0	0.10	-	700	5.0	N.D.
Vanadium	24	0.050	-	2,400	1.5	21
Zinc	250	0.010	-	5,000	0.50	47
Asbestos	-	10	-	10,000	100	-
Fluoride	180	0.10	-	18,000	1.0	-

TTLIC results are reported as mg/kg of wet weight. Asbestos results are reported as fibers/g.  
 Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

*Linda C. Schneider*  
 Linda C. Schneider  
 Project Manager

Associates  
Market Blvd.  
nto, CA 95834  
n: Harold R. Duke

Client Project ID: Shell Oil, 27501 Loyola Ave., Hayward  
Sample Descript: Soil  
Analysis for: Organic Lead  
First Sample #: 312-0643

Sampled: Dec 15, 1993  
Received: Dec 15, 1993  
Extracted: Dec 22, 1993  
Analyzed: Dec 23, 1993  
Reported: Dec 23, 1993

LABORATORY ANALYSIS FOR: Organic Lead

Sample Number	Sample Description	Detection Limit mg/kg	Sample Result mg/kg
312-0643	ST(ABCD)	0.050	0.066

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

*Linda C. Schneider*  
Linda C. Schneider  
Project Manager

TABLE 1

**WELL CONCENTRATIONS**  
**Shell Oil Products Company**  
 27501 Loyala Avenue  
 Hayward, California  
 WIC #204-3336-0300

Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	dO ppm	dO Method	Comments
<b>S-4</b>	<b>Top casing elevation (ft):</b>		<b>24.40</b>									
20-Apr-89	11.20	13.20	0.00	41000	5300	11000	2000	12000	NA	NA	NA	
24-Jul-89	11.23	13.17	0.02	NA	NA	NA	NA	NA	NA	NA	NA	Floating Product
24-Oct-89	11.24	13.16	0.25	NA	NA	NA	NA	NA	NA	NA	NA	Floating Product
08-Jan-90	11.75	12.65	0.11	NA	NA	NA	NA	NA	NA	NA	NA	Floating Product Removed from Sampling Program
30-Oct-90	13.30	11.10	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
17-Nov-93	11.78	12.62	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
09-Feb-94	12.80	11.60	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
09-May-94	10.82	13.58	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
09-Aug-94	11.32	13.08	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
03-Nov-94	11.50	12.90	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
24-Feb-95	9.96	14.44	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
11-May-95	10.30	14.10	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
18-Aug-95	11.10	13.30	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
31-Oct-95	11.48	12.92	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
27-Feb-96	8.84	15.56	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
<b>S-5</b>	<b>Top casing elevation (ft):</b>		<b>24.50</b>									
24-Jul-89	10.58	13.92	0.00	3700	150	290	110	630	NA	NA	NA	Floating Product
24-Oct-89	10.54	13.96	0.02	NA	NA	NA	NA	NA	NA	NA	NA	Floating Product
08-Jan-90	12.09	12.41	0.15	NA	NA	NA	NA	NA	NA	NA	NA	
26-Apr-90	14.67	9.83	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
18-Jul-90	12.28	12.22	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
31-Oct-90	14.65	9.85	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
23-Jan-91	13.94	10.56	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
14-Oct-91	12.73	11.77	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
24-Aug-93	12.34	12.16	0.00	NA	NA	NA	NA	NA	NA	NA	NA	

TABLE 1

WELL CONCENTRATIONS  
 Shell Oil Products Company  
 27501 Loyala Avenue  
 Hayward, California  
 WIC #204-3336-0300

Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	dO ppm	dO Method	Comments
27-Feb-96	9.25	15.40	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
S-7	Top casing elevation (ft):			24.72								
10-Feb-89	NA	NA	NA	10000	300	600	300	1600	NA	NA	NA	
19-Apr-89	11.65	13.07	0.00	5500	260	500	200	900	NA	NA	NA	
24-Jul-89	12.06	12.66	0.00	4300	110	50	130	500	NA	NA	NA	
08-Jan-90	12.36	12.36	0.00	4200	170	17	110	450	NA	NA	NA	
18-Jul-90	12.66	12.06	0.01	NA	NA	NA	NA	NA	NA	NA	NA	
24-Oct-90	13.59	11.13	0.05	NA	NA	NA	NA	NA	NA	NA	NA	Floating Product
23-Jan-91	13.50	11.22	0.00	33000	460	2700	1100	8100	NA	NA	NA	Floating Product
18-Apr-91	12.61	12.11	0.00	35000	200	1000	870	5000	NA	NA	NA	
22-Jul-91	NA	NA	NA	96000	790	2600	2200	13000	NA	NA	NA	
14-Oct-91	13.38	11.34	0.00	17000	120	230	330	1900	NA	NA	NA	
21-Jan-92	13.38	11.34	0.00	5300	80	120	170	790	NA	NA	NA	
10-Apr-92	11.79	12.93	0.00	19000	110	67	230	1600	NA	NA	NA	
07-Jul-92	12.70	12.02	0.00	2700	110	6.1	100	240	NA	NA	NA	
01-Oct-92	13.19	11.53	0.00	6500	120	<0.5	130	460	NA	NA	NA	
11-Feb-93	10.98	13.74	0.00	5000	170	100	120	490	NA	NA	NA	
06-May-93	NA	NA	NA	4700	<0.5	12.5	130	410	NA	NA	NA	
25-Aug-93	12.61	12.11	0.00	10000	<0.5	36	57	100	NA	NA	NA	
17-Nov-93	12.53	12.19	0.00	7900	150	74	200	390	NA	NA	NA	
09-May-94	11.43	13.29	0.00	2400	19	14	57	290	NA	NA	NA	
10-Aug-94	12.16	12.56	0.00	1300	5.3	5.2	17	39	NA	NA	NA	
03-Nov-94	12.44	12.28	0.00	1900	3.7	0.8	25	64	NA	NA	NA	
24-Feb-95	10.30	14.42	0.00	1600	32	5.8	43	160	NA	NA	NA	
11-May-95	11.87	12.85	0.00	2300	14	6.2	61	310	NA	NA	NA	
18-Aug-95	11.91	12.81	0.00	410	12	1.3	9.5	3.7	NA	0.8	YSI Meter	
31-Oct-95	12.28	12.44	0.00	630	5.0	3.0	8.0	22	NA	NA	NA	

TABLE 1

WELL CONCENTRATIONS  
 Shell Oil Products Company  
 27501 Loyala Avenue  
 Hayward, California  
 WIC #204-3336-0300

Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	dO ppm	dO Method	Comments
27-Feb-96	9.52	15.20	0.00	920	22	5.3	29	79	<2	NA	NA	
<b>S-8</b>	<b>Top casing elevation (ft):</b>			<b>24.38</b>								
19-Apr-89	11.60	12.78	0.00	8600	90	400	200	1700	NA	NA	NA	
24-Apr-89	12.05	12.33	0.00	850	48	130	27	170	NA	NA	NA	
23-Oct-89	12.03	12.35	0.10	NA	NA	NA	NA	NA	NA	NA	NA	Floating Product Removed from Sampling Program
08-Jan-90	12.00	12.38	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
26-Apr-90	13.92	10.46	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
18-Jul-90	12.07	12.31	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
31-Oct-90	13.20	11.18	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
23-Jan-91	13.85	10.53	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
14-Oct-91	12.75	11.63	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
24-Aug-93	12.02	12.36	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
17-Nov-93	11.97	12.41	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
09-Feb-94	11.40	12.98	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
09-May-94	10.88	13.50	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
09-Aug-94	11.62	12.76	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
03-Nov-94	11.84	12.54	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
24-Feb-95	10.20	14.18	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
11-May-95	10.15	14.23	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
18-Aug-95	11.30	13.08	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
31-Oct-95	11.62	12.76	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
27-Feb-96	8.88	15.50	0.10	NA	NA	NA	NA	NA	NA	NA	NA	
<b>S-9</b>	<b>Top casing elevation (ft):</b>			<b>24.60</b>								
24-Jul-89	10.32	14.28	0.00	<50	0.7	<0.5	2.0	10	NA	NA	NA	
23-Oct-89	10.46	14.14	0.00	NA	NA	NA	NA	NA	NA	NA	NA	

**WELL CONCENTRATIONS**  
**Shell Oil Products Company**  
**27501 Loyala Avenue**  
**Hayward, California**  
**WIC #204-3336-0300**

Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	dO ppm	dO Method	Comments
08-Jan-90	12.15	12.45	0.00	130	1.4	17	6.4	37	NA	NA	NA	
26-Apr-90	12.52	12.08	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
18-Jul-90	12.29	12.31	0.00	<50	2.0	0.6	2.0	2.0	NA	NA	NA	
24-Oct-90	13.21	11.39	0.00	170	4.5	5.0	9.0	34	NA	NA	NA	
23-Jan-91	13.10	11.50	0.00	330	6.6	6.8	24	71	NA	NA	NA	
18-Apr-91	11.99	12.61	0.00	290	4.4	0.7	13	22	NA	NA	NA	
22-Jul-91	NA	NA	NA	90	4.1	<0.5	9.0	8.1	NA	NA	NA	
14-Oct-91	12.90	11.7	0.00	60	1.7	<0.5	4.5	2.6	NA	NA	NA	
21-Jan-92	12.49	12.11	0.00	<50	1.1	<0.5	3.6	2.5	NA	NA	NA	
10-Apr-92	11.23	13.37	0.00	110	1.5	0.3	8	4.7	NA	NA	NA	
07-Jul-92	12.19	12.41	0.00	<50	0.5	<0.5	<0.5	<0.5	NA	NA	NA	
01-Oct-92	12.69	11.91	0.00	<50	0.8	<0.5	5.3	3.5	NA	NA	NA	
11-Feb-93	10.47	14.13	0.00	130	1.0	0.9	13	11	NA	NA	NA	
06-May-93	NA	NA	NA	50	<0.5	<0.5	5.7	1.4	NA	NA	NA	
25-Aug-93	12.12	12.48	0.00	<50	3.8	1.1	2.3	3.6	NA	NA	NA	
17-Nov-93	12.12	12.48	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
09-Feb-94	11.52	13.08	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
09-May-94	11.03	13.57	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
10-Aug-94	11.74	12.86	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
03-Nov-94	10.08	14.52	0.00	<50	<0.5	<0.5	6.4	0.5	NA	NA	NA	
24-Feb-95	10.31	14.29	0.00	<50	<0.5	<0.5	1.8	<0.5	NA	NA	NA	
11-May-95	10.40	14.20	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
18-Aug-95	11.44	13.16	0.00	<50	<0.5	<0.5	0.7	<0.5	NA	NA	NA	
31-Oct-95	11.95	12.65	0.00	<50	<0.5	<0.5						
<b>S-10</b>	Top casing elevation (ft):			<b>24.56</b>								
11-Jan-88	NA	NA	NA	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
24-Oct-88	NA	NA	NA	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	



TABLE 1

**WELL CONCENTRATIONS**  
**Shell Oil Products Company**  
**27501 Loyala Avenue**  
**Hayward, California**  
**WIC #204-3336-0300**

Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	dO ppm	dO Method	Comments
10-Feb-89	NA	NA	NA	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
19-Apr-89	11.17	13.39	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
21-Jul-89	11.55	13.01	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
23-Oct-89	11.87	12.69	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
08-Jan-90	11.74	12.82	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
26-Apr-90	12.02	12.54	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
18-Jul-90	11.79	12.77	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
31-Oct-90	12.70	11.86	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
23-Jan-91	12.60	11.96	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
18-Apr-91	11.45	13.11	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
22-Jul-91	NA	NA	NA	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
14-Oct-91	12.39	12.17	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
21-Jan-92	12.02	12.54	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
10-Apr-92	10.77	13.79	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
07-Jul-92	11.68	12.88	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
01-Oct-92	12.16	12.40	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
10-Feb-93	10.03	14.53	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
06-May-93	NA	NA	NA	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
24-Aug-93	11.60	12.96	0.00	<50	2.7	0.6	0.8	1.5	NA	NA	NA	
17-Nov-93	11.64	12.92	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
09-Feb-94	11.14	13.42	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
09-May-94	10.64	13.92	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
09-Aug-94	11.26	13.30	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
03-Nov-94	11.60	12.96	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
24-Feb-95	9.92	14.64	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
11-May-95	10.15	14.41	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
18-Aug-95	10.96	13.60	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
31-Oct-95	11.40	13.16	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	

TABLE 1

WELL CONCENTRATIONS  
 Shell Oil Products Company  
 27501 Loyala Avenue  
 Hayward, California  
 WIC #204-3336-0300

Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	dO ppm	dO Method	Comments
S-11	Top casing elevation (ft):			25.09								
11-Jan-88	NA	NA	NA	5000	74	90	260	240	NA	NA	NA	
24-Oct-88	NA	NA	NA	800	14	5.0	22	190	NA	NA	NA	
09-Feb-89	NA	NA	NA	1000	9.0	16	34	80	NA	NA	NA	
19-Apr-89	11.58	13.51	0.00	1500	11	1.0	68	74	NA	NA	NA	
24-Jul-89	11.92	13.17	0.00	1400	7.6	1.0	65	81	NA	NA	NA	
24-Oct-89	12.03	13.06	0.00	830	3.4	1.8	19	25	NA	NA	NA	
08-Jan-90	12.46	12.63	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
26-Apr-90	12.70	12.39	0.00	340	0.7	<0.5	6.7	3.0	NA	NA	NA	
18-Jul-90	12.53	12.56	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
31-Oct-90	13.32	11.77	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
23-Jan-91	13.20	11.89	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
18-Apr-91	11.22	13.87	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
14-Oct-91	13.04	12.05	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
21-Jan-92	12.63	12.46	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
10-Apr-92	11.48	13.61	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
07-Jul-92	12.29	12.80	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
01-Oct-92	12.80	12.29	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
10-Feb-93	10.87	14.22	0.00	490	5.8	4.8	8.7	41	NA	NA	NA	
25-Aug-93	12.28	12.81	0.00	110	8.1	0.9	6.0	8.7	NA	NA	NA	
17-Nov-93	12.36	12.73	0.00	70	1.4	<0.5	0.6	0.6	NA	NA	NA	
09-Feb-94	11.89	13.20	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
09-May-94	11.43	13.66	0.00	57	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
10-Aug-94	12.06	13.03	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
03-Nov-94	12.34	12.75	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
24-Feb-95	10.72	14.37	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
11-May-95	10.91	14.18	0.00	<50	0.7	0.7	<0.5	<0.5	NA	NA	NA	
18-Aug-95	11.76	13.33	0.00	<50					NA	NA	NA	

TABLE 1

**WELL CONCENTRATIONS**  
**Shell Oil Products Company**  
**27501 Loyala Avenue**  
**Hayward, California**  
**WIC #204-3336-0300**

Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	dO ppm	dO Method	Comments
31-Oct-95	12.12	12.97	0.00	<50	0.6	1.3	<0.5	3.2	NA	NA	NA	
27-Feb-96	9.77	15.32	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2	NA	NA	
<b>S-12</b>	<b>Top casing elevation (ft):</b>			<b>24.72</b>								
11-Jan-88	NA	NA	NA	1500	890	550	270	750	NA	NA	NA	
24-Jul-89	11.81	12.91	0.00	160000	1000	18000	4700	29000	NA	NA	NA	
18-Jan-90	12.20	12.52	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
24-Oct-89	11.86	12.86	0.00	111000	2200	26000	5000	30000	NA	NA	NA	Floating Product
26-Apr-90	12.49	12.23	0.01	NA	NA	NA	NA	NA	NA	NA	NA	Floating Product
18-Jul-90	12.29	12.43	0.01	NA	NA	NA	NA	NA	NA	NA	NA	Floating Product
31-Oct-90	12.27	12.45	0.04	NA	NA	NA	NA	NA	NA	NA	NA	
23-Jan-91	12.94	11.78	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
18-Apr-91	11.93	12.79	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
14-Oct-91	12.84	11.88	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
21-Jan-92	12.44	12.28	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
10-Apr-92	11.27	13.45	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
07-Jul-92	12.12	12.6	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
01-Oct-92	12.64	12.08	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
11-Feb-93	10.65	14.07	0.00	31000	<0.5	930	1500	10000	NA	NA	NA	
25-Aug-93	12.04	12.68	0.00	13000	<0.5	100	540	3000	NA	NA	NA	Not sampled
17-Nov-93	12.06	12.66	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
09-Feb-94	11.54	13.18	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
09-May-94	11.18	13.54	0.00	13000	25	36	340	1500	NA	NA	NA	
10-Aug-94	11.78	12.94	0.00	8300	15	17	270	1100	NA	NA	NA	
03-Nov-94	12.06	12.66	0.00	17000	41	19	330	1100	NA	NA	NA	
24-Feb-95	10.48	14.24	0.00	16000	87	29	380	2000	NA	NA	NA	
11-May-95	10.65	14.07	0.00	9600	52	<20	340	1200	NA	NA	NA	
18-Aug-95	11.55	13.17	0.00	5100	<5	<5	98	380	NA	0.0	YSI Meter	

TABLE 1

**WELL CONCENTRATIONS**  
**Shell Oil Products Company**  
 27501 Loyala Avenue  
 Hayward, California  
 WIC #204-3336-0300

Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	dO ppm	dO Method	Comments
31-Oct-95	11.87	12.85	0.00	8700	<5	11	150	380	NA	NA	NA	
27-Feb-96	8.80	15.92	0.00	18000	<0.5	19	600	3700	<40	NA	NA	
<b>S-12 (DUP)</b>												
9-May-94	NA	NA	NA	41000	<0.5	<0.5	790	2600	NA	NA	NA	
3-Nov-94	NA	NA	NA	14000	8.5	17	300	1100	NA	NA	NA	
24-Feb-95	NA	NA	NA	9300	23	18	330	1800	NA	NA	NA	
11-May-95	NA	NA	NA	11000	60	<20	390	1400	NA	NA	NA	
18-Aug-95	NA	NA	NA	5100	<5	<5	89	330	NA	NA	NA	
27-Feb-96	NA	NA	NA	21000	<0.5	36	620	3800	<20	NA	NA	
<b>S-13</b>	<b>Top casing elevation (ft):</b>			<b>24.85</b>								
24-Jul-89	11.35	13.50	0.02	NA	NA	NA	NA	NA	NA	NA	NA	Floating Product
24-Oct-89	11.35	13.50	0.12	NA	NA	NA	NA	NA	NA	NA	NA	Floating Product
8-Jan-90	12.52	12.33	0.03	NA	NA	NA	NA	NA	NA	NA	NA	Floating Product
26-Apr-90	14.51	10.34	0.01	NA	NA	NA	NA	NA	NA	NA	NA	Removed from Sampling Program
31-Oct-90	14.59	10.26	0.01	NA	NA	NA	NA	NA	NA	NA	NA	
23-Jan-91	12.56	12.29	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
18-Apr-91	13.56	11.29	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
14-Oct-91	14.28	10.57	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
24-Aug-93	12.50	12.35	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
17-Nov-93	12.43	12.42	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
9-Feb-94	11.89	12.96	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
9-May-94	11.44	13.41	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
9-Aug-94	12.60	12.25	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
3-Nov-94	12.46	12.39	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
24-Feb-95	10.50	14.35	0.00	NA	NA	NA	NA	NA	NA	NA	NA	

TABLE 1

WELL CONCENTRATIONS  
 Shell Oil Products Company  
 27501 Loyala Avenue  
 Hayward, California  
 WIC #204-3336-0300

Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	dO ppm	dO Method	Comments
11-May-95	11.00	13.85	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
18-Aug-95	11.84	13.01	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
31-Oct-95	12.22	12.63	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
27-Feb-96	9.35	15.50	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
<b>S-14</b>	<b>Top casing elevation (ft):</b>			<b>25.27</b>								
11-Jan-88	NA	NA	NA	120	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
24-Oct-88	NA	NA	NA	50	<0.5	1.0	<0.5	<0.5	NA	NA	NA	
09-Feb-89	NA	NA	NA	80	<0.50	7.0	3.0	18	NA	NA	NA	
19-Apr-89	12.03	13.24	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
24-Jul-89	12.40	12.87	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
24-Oct-89	12.61	12.66	0.00	<50	<0.5	0.8	NA	<0.5	NA	NA	NA	
08-Jan-90	12.57	12.7	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
26-Apr-90	12.73	12.54	0.00	<50	<0.5	0.5	<0.5	1.0	NA	NA	NA	
18-Jul-90	12.62	12.65	0.00	<50	<0.5	1.0	0.6	3.0	NA	NA	NA	
31-Oct-90	13.43	11.84	0.00	<50	0.9	3.6	9.2	3.1	NA	NA	NA	
23-Jan-91	13.24	12.03	0.00	200	6.7	34	<0.50	51	NA	NA	NA	
18-Apr-91	12.10	13.17	0.00	<50	<0.5	<0.5	<0.5	0.8	NA	NA	NA	
22-Jul-91	NA	NA	NA	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
14-Oct-91	13.08	12.19	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
21-Jan-92	12.69	12.58	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
10-Apr-92	11.50	13.77	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
07-Jul-92	12.34	12.93	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
01-Oct-92	12.34	12.93	0.00	<50	1.3	4.2	1.0	4.5	NA	NA	NA	
10-Feb-93	12.83	12.44	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
06-May-93	10.93	14.34	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
24-Aug-93	NA	NA	NA	<50	4.7	0.9	1.3	2.3	NA	NA	NA	
17-Nov-93	12.29	12.98	0.00	<50	4.7	0.9	1.3	2.3	NA	NA	NA	
	12.44	12.83	0.00	NA	NA	NA	NA	NA	NA	NA	NA	

TABLE 1

WELL CONCENTRATIONS  
 Shell Oil Products Company  
 27501 Loyala Avenue  
 Hayward, California  
 WIC #204-3336-0300

Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	cO ppm	cO Method	Comments
09-Feb-94	11.93	13.34	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
09-May-94	11.54	13.73	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
09-Aug-94	12.12	13.15	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
03-Nov-94	12.32	12.96	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
24-Feb-95	10.94	14.33	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
11-May-95	11.06	14.22	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
18-Aug-95	11.88	13.39	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
31-Oct-95	12.30	12.97	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
<b>S-15</b>	<b>Top casing elevation (ft):</b>			<b>25.01</b>								
11-Jan-88	NA	NA	NA	120	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
24-Oct-88	NA	NA	NA	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
09-Feb-89	NA	NA	NA	<50	<0.5	1.0	1.0	3.0	NA	NA	NA	
19-Apr-89	11.86	13.36	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
24-Jul-89	12.07	12.94	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
23-Oct-89	12.28	12.73	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
08-Jan-90	12.26	12.75	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
26-Apr-90	12.41	12.6	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
18-Jul-90	12.29	12.72	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
31-Oct-90	13.11	11.90	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
23-Jan-91	12.96	12.06	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
18-Apr-91	11.81	13.20	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
14-Oct-91	12.78	12.23	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
21-Mar-92	12.41	12.60	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
10-Apr-92	11.18	13.83	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
07-Jul-92	12.04	12.97	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
01-Oct-92	12.54	12.47	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
10-Feb-93	10.59	14.42	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	

TABLE 1

WELL CONCENTRATIONS  
 Shell Oil Products Company  
 27501 Loyala Avenue  
 Hayward, California  
 WIC #204-3336-0300

Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	dO ppm	dO Method	Comments
24-Aug-93	12.00	13.01	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
17-Nov-93	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09-Feb-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Abandoned

S-16	Top casing elevation (ft):		25.04									
11-Jan-88	NA	NA	NA	130	0.6	1.8	<0.50	<0.50	NA	NA	NA	
24-Oct-88	NA	NA	NA	50	0.6	2.0	1.0	8.0	NA	NA	NA	
09-Feb-89	NA	NA	NA	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
19-Apr-89	11.61	13.43	0.00	<50	0.5	<0.5	<0.5	<0.5	NA	NA	NA	
21-Jul-89	12.02	13.02	0.00	<50	0.6	1.0	<0.5	<0.5	NA	NA	NA	
23-Oct-89	12.27	12.77	0.00	<50	<0.5	0.6	<0.5	<0.5	NA	NA	NA	
08-Jan-90	12.28	12.76	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
26-Apr-90	12.47	12.57	0.00	<50	<0.5	1.4	0.5	3.0	NA	NA	NA	
18-Jul-90	12.31	12.73	0.00	70	4.0	10	3.0	20	NA	NA	NA	
31-Oct-90	13.11	11.93	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
23-Jan-91	13.02	12.02	0.00	<50	<0.5	0.6	1.1	2.4	NA	NA	NA	
18-Apr-91	11.89	13.15	0.00	<50	<0.5	1.3	<0.5	2.4	NA	NA	NA	
22-Jul-91	NA	NA	NA	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
14-Oct-91	12.84	12.20	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
21-Jan-92	12.43	12.61	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
10-Apr-92	11.23	13.81	0.00	<50	1.1	4.8	1.1	8.3	NA	NA	NA	
07-Jul-92	12.07	12.97	0.00	<50	<0.5	0.9	<0.5	1.6	NA	NA	NA	
01-Oct-92	12.58	12.46	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
10-Feb-93	10.59	14.45	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
06-May-93	12.02	13.02	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	Well Abandoned
17-Nov-93	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09-Feb-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

TABLE 1

**WELL CONCENTRATIONS**  
**Shell Oil Products Company**  
**27501 Loyala Avenue**  
**Hayward, California**  
**WIC #204-3336-0300**

Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	dO ppm	dO Method	Comments
<b>S-17</b>				<b>Top casing elevation (ft):</b>		<b>24.96</b>						
11-Jan-88	NA	NA	NA	120	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
24-Oct-88	NA	NA	NA	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
09-Feb-89	NA	NA	NA	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
19-Apr-89	11.59	13.37	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
21-Jul-89	12.00	12.96	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
23-Oct-89	12.23	12.73	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
08-Jan-90	12.16	12.80	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
26-Apr-90	12.43	12.53	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
18-Jul-90	12.20	12.76	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
31-Oct-90	13.11	11.85	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
23-Jan-91	13.00	11.96	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
18-Apr-91	11.90	13.06	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
14-Oct-91	12.81	12.15	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
21-Jan-92	12.43	12.53	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
10-Apr-92	11.18	13.78	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
07-Jul-92	12.10	12.86	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
01-Oct-92	12.57	12.39	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
10-Feb-93	10.52	14.44	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
24-Aug-93	12.02	12.94	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
09-Feb-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Abandoned
<b>S-18</b>				<b>Top casing elevation (ft):</b>		<b>24.25</b>						
11-Jan-88	NA	NA	NA	480	2.2	<0.5	2.3	1.3	NA	NA	NA	
24-Oct-88	NA	NA	NA	90	0.5	1.0	1.0	4.0	NA	NA	NA	
09-Feb-89	NA	NA	NA	70	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
19-Apr-89	11.22	13.03	0.00	50	0.5	<0.5	<0.5	<0.5	NA	NA	NA	
24-Jul-89	11.63	12.62	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	



TABLE 1  
**WELL CONCENTRATIONS**  
 Shell Oil Products Company  
 27501 Loyala Avenue  
 Hayward, California  
 WIC #204-3336-0300

Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	dO ppm	dO Method	Comments
23-Oct-89	11.87	12.38	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
08-Jan-90	11.50	12.75	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
26-Apr-90	12.06	12.19	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
18-Jul-90	11.59	12.66	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
24-Oct-90	12.72	11.53	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
23-Jan-91	12.64	11.61	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
18-Apr-91	11.58	12.67	0.00	<50	<0.5	<0.5	<0.5	0.7	NA	NA	NA	
22-Jul-91	NA	NA	NA	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
14-Oct-91	12.33	11.92	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
21-Jan-92	12.02	12.23	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
10-Apr-92	10.85	13.40	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
07-Jul-92	11.71	12.54	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
01-Oct-92	12.18	12.07	0.00	<50	0.8	<0.5	<0.5	<0.5	NA	NA	NA	
11-Feb-93	10.00	14.25	0.00	<50	0.7	0.6	<0.5	2.6	NA	NA	NA	
06-May-93	NA	NA	NA	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
25-Aug-93	11.62	12.63	0.00	60	8.4	2.5	2.9	6.0	NA	NA	NA	
17-Nov-93	11.49	12.76	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
09-Feb-94	11.07	13.18	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
09-May-94	10.42	13.83	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
10-Aug-94	11.60	12.65	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
03-Nov-94	11.36	12.89	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
24-Feb-95	9.58	14.67	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
11-May-95	9.82	14.43	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
18-Aug-95	10.75	13.50	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
31-Oct-95	11.15	13.10	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
<b>S-19</b>	<b>Top casing elevation (ft):</b>			<b>24.23</b>								
11-Jan-88	NA	NA	NA	8400	270	520	380	2000	NA	NA	NA	

TABLE 1

WELL CONCENTRATIONS  
 Shell Oil Products Company  
 27501 Loyala Avenue  
 Hayward, California  
 WIC #204-3336-0300

Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	dO ppm	dO Method	Comments
24-Jul-89	10.71	13.52	0.00	3800	50	70	80	570	NA	NA	NA	
23-Oct-89	10.94	13.29	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
08-Jan-90	11.62	12.61	0.00	5500	24	46	57	490	NA	NA	NA	
26-Apr-90	12.19	12.04	0.01	NA	NA	NA	NA	NA	NA	NA	NA	Floating Product
31-Oct-90	12.86	11.37	0.01	NA	NA	NA	NA	NA	NA	NA	NA	Floating Product Removed from Sampling Pro
23-Jan-91	11.64	12.59	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
18-Apr-91	12.78	11.45	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
14-Oct-91	12.52	11.71	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
21-Jan-92	12.16	12.07	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
10-Apr-92	10.17	14.06	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
07-Jul-92	11.80	12.43	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
01-Oct-92	11.56	12.67	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
03-Feb-93	10.16	14.07	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
24-Aug-93	11.85	12.38	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
17-Nov-93	11.59	12.64	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
09-Feb-94	11.19	13.04	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
09-May-94	11.45	12.78	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
09-Aug-94	11.10	13.13	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
03-Nov-94	11.52	12.71	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
24-Feb-95	9.72	14.51	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
11-May-95	9.90	14.33	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
18-Aug-95	10.81	13.42	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
31-Oct-95	11.35	12.88	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
27-Feb-96	8.64	15.59	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
<b>S-20</b>	<b>Top casing elevation (ft):</b>			<b>24.05</b>								
11-Jan-88	NA	NA	NA	37000	1600	3500	1300	7600	NA	NA	NA	
20-Apr-89	10.97	13.08	0.00	110000	1200	4900	3300	16000	NA	NA	NA	

TABLE 1

WELL CONCENTRATIONS  
 Shell Oil Products Company  
 27501 Loyala Avenue  
 Hayward, California  
 WIC #204-3336-0300

Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	dO ppm	dO Method	Comments
24-Jul-89	10.54	13.51	0.00	26000	530	900	1000	6200	NA	NA	NA	Floating Product Removed from Sampling Program
24-Oct-89	10.59	13.46	0.04	NA	NA	NA	NA	NA	NA	NA	NA	
15-Jan-04	11.66	12.39	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
26-Apr-90	14.21	9.84	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
31-Oct-90	12.80	11.25	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
23-Jan-91	11.70	12.35	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
18-Apr-91	12.79	11.26	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
24-Aug-93	11.69	12.36	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
17-Nov-93	11.55	12.50	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
09-Feb-94	11.10	12.95	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
09-May-94	10.47	13.58	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
09-Aug-94	11.22	12.83	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
03-Nov-94	11.58	12.47	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
24-Feb-95	9.76	14.29	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
11-May-95	10.93	13.12	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
18-Aug-95	10.90	13.15	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
31-Oct-95	11.32	12.73	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
27-Feb-96	9.60	14.45	0.00	NA	NA	NA	NA	NA	NA	NA	NA	

S-21	Top casing elevation (ft):		24.31										
24-Jul-89	10.94	13.37	0.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	Floating Product
23-Oct-89	11.13	13.18	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	
08-Jan-90	11.93	12.38	0.00	26000	86	40	74	590	NA	NA	NA	NA	
26-Apr-90	12.41	11.90	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	
18-Jul-90	11.92	12.39	0.00	1900000	96000	21000	70000	200000	NA	NA	NA	NA	
31-Oct-90	12.65	11.66	0.00	2100	130	210	60	250	NA	NA	NA	NA	
23-Jan-91	12.82	11.49	0.00	1400	54	76	61	200	NA	NA	NA	NA	
18-Apr-91	11.91	12.40	0.00	1600	120	120	54	170	NA	NA	NA	NA	

TABLE 1

WELL CONCENTRATIONS  
 Shell Oil Products Company  
 27501 Loyala Avenue  
 Hayward, California  
 WIC #204-3336-0300

Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	dO ppm	dO Method	Comments
22-Jul-91	NA	NA	NA	570	29	16	18	62	NA	NA	NA	
15-Oct-91	12.72	11.59	0.00	1000	22	6.1	16	58	NA	NA	NA	
21-Jan-92	12.27	12.04	0.00	4800	240	200	62	1100	NA	NA	NA	
10-Apr-92	10.32	13.99	0.00	2900	110	54	340	340	NA	NA	NA	
07-Jul-92	11.19	13.12	0.00	570	50	33	23	58	NA	NA	NA	
01-Oct-92	11.68	12.63	0.00	380	39	11	23	27	NA	NA	NA	
10-Feb-93	10.36	13.95	0.00	4300	130	83	400	520	NA	NA	NA	
06-May-93	NA	NA	NA	540	27	52	34	120	NA	NA	NA	
24-Aug-93	11.97	12.34	0.00	310	6.8	16	9.7	31	NA	NA	NA	
17-Nov-93	11.82	12.49	0.00	140	3.0	6.6	5.6	14	NA	NA	NA	
09-Feb-94	11.26	13.05	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
09-May-94	10.73	13.58	0.00	300	5.3	19	10	37	NA	NA	NA	
09-Aug-94	11.34	12.97	0.00	550	2.2	1.0	0.9	6.1	NA	NA	NA	
03-Nov-94	10.98	13.33	0.00	150	3.0	0.9	1.8	2.5	NA	NA	NA	
24-Feb-95	10.14	14.17	0.00	400	11	21	20	64	NA	NA	NA	
11-May-95	10.25	14.06	0.00	200	4.4	11	7.8	36	NA	NA	NA	
18-Aug-95	11.30	13.01	0.00	60	7.8	2.9	1.8	1.4	NA	0.4	YSI Meter	
31-Oct-95	12.10	12.21	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
27-Feb-96	8.81	15.50	0.00	400	6.7	5.4	16	44	<2	NA	NA	
S-21 (DUP)												
9-Aug-94	NA	NA	NA	420	1.9	0.9	<0.5	3.6	NA	NA	NA	
S-22	Top casing elevation (ft):			24.67								
20-Apr-89	11.51	13.16	0.00	130000	4700	11000	2300	1700	NA	NA	NA	Floating Product
24-Jul-89	11.17	13.50	0.01	NA	NA	NA	NA	NA	NA	NA	NA	
23-Oct-89	11.29	13.38	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
08-Jan-90	12.29	12.38	0.00	1800	40	20	28	210	NA	NA	NA	

TABLE 1

**WELL CONCENTRATIONS**  
**Shell Oil Products Company**  
**27501 Loyala Avenue**  
**Hayward, California**  
**WIC #204-3336-0300**

Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	dO ppm	dO Method	Comments
26-Apr-90	12.63	12.04	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
22-Jul-90	12.29	12.38	0.00	1300	80	20	7.0	180	NA	NA	NA	
31-Oct-90	13.27	11.40	0.00	2600	200	42	13	330	NA	NA	NA	
23-Jan-91	13.07	11.60	0.00	1300	130	120	23	180	NA	NA	NA	
18-Apr-91	12.19	12.48	0.00	840	22	7.2	11	81	NA	NA	NA	
22-Jul-91	NA	NA	NA	780	35	18	5.2	140	NA	NA	NA	
15-Oct-91	12.97	11.70	0.00	2000	91	41	7.0	540	NA	NA	NA	
21-Jan-92	12.53	12.14	0.00	3400	180	60	62	780	NA	NA	NA	
10-Apr-92	10.51	14.16	0.00	1800	3.5	7.9	16	180	NA	NA	NA	
07-Jul-92	11.35	13.32	0.00	670	18	13	16	110	NA	NA	NA	
01-Oct-92	11.82	12.85	0.00	3100	260	80	65	610	NA	NA	NA	
10-Feb-93	10.72	13.95	0.00	3100	64	43	79	630	NA	NA	NA	
06-May-93	NA	NA	NA	1000	50	11	72	460	NA	NA	NA	
24-Aug-93	12.20	12.47	0.00	390	11	3.0	6.0	62	NA	NA	NA	
17-Nov-93	12.16	12.51	0.00	560	4.1	5.6	9.0	22	NA	NA	NA	
09-Feb-94	11.56	13.11	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
09-May-94	11.19	13.48	0.00	310	6	<0.5	8.4	32	NA	NA	NA	
10-Aug-94	11.72	12.95	0.00	280	8.7	<0.5	7.6	20	NA	NA	NA	
03-Nov-94	12.14	12.53	0.00	420	14	1.1	5.7	5.0	NA	NA	NA	
24-Feb-95	10.56	14.11	0.00	710	13	1.0	18	69	NA	NA	NA	
11-May-95	10.60	14.07	0.00	500	8.9	1.0	12	49	NA	0.4	YSI Meter	
18-Aug-95	11.80	12.87	0.00	820	38	2.7	34	74	NA	NA	NA	
31-Oct-95	12.32	12.35	0.00	<50	1.1	<0.5	0.8	1.6	NA	NA	NA	
27-Feb-96	10.42	14.25	0.00	1700	34	40	48	220	<2	NA	NA	
<b>S-23</b>	<b>Top casing elevation (ft):</b>			<b>24.54</b>								
24-Jul-89	11.20	13.34	0.00	350	22	<0.5	6.0	13	NA	NA	NA	

TABLE 1

WELL CONCENTRATIONS  
 Shell Oil Products Company  
 27501 Loyala Avenue  
 Hayward, California  
 WIC #304-3336-0300

Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	dO ppm	dO Method	Comments
23-Oct-89	11.44	13.10	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
08-Jan-90	12.22	12.32	0.00	860	7.3	7.9	7.3	47	NA	NA	NA	
26-Apr-90	12.61	11.93	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
18-Jul-90	12.33	12.21	0.00	290	1.8	<0.5	1.6	2.2	NA	NA	NA	
31-Oct-90	13.30	11.24	0.00	300	5.0	<0.5	<0.5	1.6	NA	NA	NA	
23-Jan-91	13.06	11.48	0.00	240	4.8	1.4	1.7	3.5	NA	NA	NA	
18-Apr-91	12.32	12.22	0.00	420	7.2	3.1	1.7	4.2	NA	NA	NA	
22-Jul-91	NA	NA	NA	280	2.2	<0.5	<0.5	0.7	NA	NA	NA	
15-Oct-91	13.05	11.49	0.00	270	4.9	1.0	0.8	2.6	NA	NA	NA	
21-Jan-92	12.70	11.84	0.00	250	3.8	1.3	<0.5	0.9	NA	NA	NA	
10-Apr-92	11.63	12.91	0.00	690	32	1.7	15	7.0	NA	NA	NA	
07-Jul-92	12.42	12.12	0.00	170	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
01-Oct-92	12.87	11.67	0.00	340	<0.5	2.2	2.3	4.5	NA	NA	NA	
10-Feb-93	10.85	13.69	0.00	410	1.4	<0.5	1.5	2.0	NA	NA	NA	
06-May-93	NA	NA	NA	370	<0.5	0.9	1.8	5.4	NA	NA	NA	
24-Aug-93	12.28	12.26	0.00	160	4.7	0.6	2.8	5.7	NA	NA	NA	
17-Nov-93	12.26	12.28	0.00	210	<0.5	<0.5	<0.5	5.3	NA	NA	NA	Removed from Sampling Program
27-Feb-96	8.95	15.59	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
S-24	Top casing elevation (ft):			24.61								
24-Jul-89	11.17	13.44	0.00	1900	55	<0.5	20	<0.5	NA	NA	NA	
23-Oct-89	11.37	13.24	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
08-Jan-90	12.16	12.45	0.00	6000	140	19	170	480	NA	NA	NA	
26-Apr-90	12.55	12.06	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
18-Jul-90	12.30	12.31	0.00	2200	48	5.0	58	95	NA	NA	NA	
31-Oct-90	13.31	11.30	0.00	2200	32	4.2	39	56	NA	NA	NA	
23-Jan-91	13.04	11.57	0.00	1100	21	<0.5	4.0	7.3	NA	NA	NA	
18-Apr-91	12.12	12.49	0.00	7600	36	77	4.7	74	NA	NA	NA	

TABLE 1

WELL CONCENTRATIONS  
 Shell Oil Products Company  
 27501 Loyala Avenue  
 Hayward, California  
 WIC #204-3336-0300

Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	dO ppm	dO Method	Comments
22-Jul-91	NA	NA	NA	730	17	1.6	4.4	12	NA	NA	NA	
15-Oct-91	12.97	11.64	0.00	1700	6.3	<0.5	3.2	0.6	NA	NA	NA	
21-Jan-92	12.54	12.07	0.00	1100	15	1.7	5.8	3.8	NA	NA	NA	
10-Apr-92	11.44	13.17	0.00	3500	22	1.2	<0.5	5.4	NA	NA	NA	
07-Jul-92	12.28	12.33	0.00	420	4.8	<0.5	2.9	3.0	NA	NA	NA	
01-Oct-92	12.73	11.88	0.00	4300	5.6	3.3	11	19	NA	NA	NA	
10-Feb-93	10.81	13.80	0.00	630	5.2	<0.5	4.0	4.5	NA	NA	NA	
06-May-93	NA	NA	NA	530	2.4	<0.5	3.7	13	NA	NA	NA	
24-Aug-93	12.18	12.43	0.00	690	18	3.2	14	58	NA	NA	NA	
17-Nov-93	12.16	12.45	0.00	350	1.2	2.9	5.4	7.3	NA	NA	NA	
09-Feb-94	11.63	12.98	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
09-May-94	11.17	13.44	0.00	440	<0.5	<0.5	<0.5	1.1	NA	NA	NA	
10-Aug-94	11.80	12.81	0.00	310	<0.5	<0.5	2.1	1.9	NA	NA	NA	
03-Nov-94	12.10	12.51	0.00	920	<0.5	<0.5	3.4	0.6	NA	NA	NA	
24-Feb-95	10.40	14.21	0.00	280	2.4	0.9	3.7	7.5	NA	NA	NA	
11-May-95	10.60	14.01	0.00	90	1.7	<0.5	1.2	<0.5	NA	1.2	YSI Meter	
18-Aug-95	12.03	12.58	0.00	100	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
31-Oct-95	11.94	12.67	0.00	90	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
27-Feb-96	8.55	16.06	0.00	110	0.9	<0.5	0.9	3.3	<2	NA	NA	
S-25	Top casing elevation (ft):			24.81								
24-Jul-89	11.26	13.55	0.00	21000	290	50	200	1600	NA	NA	NA	
23-Oct-89	11.46	13.35	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
08-Jan-90	12.36	12.45	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
26-Apr-90	12.2	12.61	0.00	30000	520	55	380	2700	NA	NA	NA	Floating Product
18-Jul-90	12.44	12.37	0.00	NA	NA	NA	NA	NA	NA	NA	NA	Floating Product
31-Oct-90	12.26	12.55	0.01	NA	NA	NA	NA	NA	NA	NA	NA	
23-Jan-91	13.14	11.67	0.01	NA	NA	NA	NA	NA	NA	NA	NA	

TABLE 1

**WELL CONCENTRATIONS**  
**Shell Oil Products Company**  
 27501 Loyala Avenue  
 Hayward, California  
 WIC #204-3336-0300

Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	dO ppm	dO Method	Comments
19-Apr-91	12.20	12.61	0.00	24000	400	140	340	1500	NA	NA	NA	
22-Jul-91	NA	NA	NA	3800	110	8.8	74	270	NA	NA	NA	
18-Oct-91	13.05	11.76	0.00	9900	170	26	150	670	NA	NA	NA	
21-Jan-92	12.65	12.16	0.00	12000	170	29	220	970	NA	NA	NA	
10-Apr-92	11.56	13.28	0.00	27000	230	130	250	1100	NA	NA	NA	
07-Jul-92	12.35	12.46	0.00	180	0.7	<0.5	8.1	9.3	NA	NA	NA	
01-Oct-92	12.82	11.99	0.00	30000	130	<0.5	250	740	NA	NA	NA	
10-Feb-93	10.86	13.95	0.00	14000	150	<0.5	250	730	NA	NA	NA	
06-May-93	NA	NA	NA	12000	180	<0.5	260	7380	NA	NA	NA	
25-Aug-93	12.25	12.56	0.00	19000	67	<0.5	130	410	NA	NA	NA	
17-Nov-93	12.26	12.55	0.00	50000	180	350	820	1100	NA	NA	NA	Removed from Sampling Program
09-Feb-94	11.81	13.00	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
09-May-94	11.54	13.47	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
06-Aug-94	12.04	12.77	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
06-Nov-94	12.26	12.55	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
24-Feb-95	10.60	14.21	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
11-May-95	11.78	13.03	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
18-Aug-95	11.67	13.14	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
31-Oct-95	12.14	12.67	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
27-Feb-96	9.44	15.37	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
S-26	Top casing elevation (ft):			24.86								
11-Jan-88	NA	NA	NA	11000	300	410	78	1100	NA	NA	NA	
24-Jul-88	11.55	13.31	0.00	4700	70	180	140	620	NA	NA	NA	
23-Oct-88	11.65	13.21	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
08-Jan-90	12.28	12.58	0.00	980	4.9	7.4	27	8.3	NA	NA	NA	
26-Apr-90	12.53	12.53	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
18-Jul-90	12.32	12.54	0.00	500	<0.5	0.7	6.7	21	NA	NA	NA	



TAB E 1

WELL CONCENTRATIONS  
 Shell Oil Products Company  
 27501 Loyala Avenue  
 Hayward, California  
 WIC #204-3336-0300

Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	dO ppm	dO Method	Comments
31-Oct-90	13.32	11.54	0.01	NA	NA	NA	NA	NA	NA	NA	NA	Floating Product
23-Jan-91	13.00	11.86	0.00	3400	9.5	7.1	23	320	NA	NA	NA	
18-Apr-91	11.94	12.92	0.00	1500	5.7	3.8	1133	7.3	NA	NA	NA	
22-Jul-91	NA	NA	NA	900	<0.5	<0.5	8.4	44	NA	NA	NA	
15-Oct-91	12.87	11.99	0.00	1300	<0.5	<0.5	2.1	12	NA	NA	NA	
21-Jan-92	12.49	12.37	0.00	1100	1.7	2.8	25	120	NA	NA	NA	
10-Apr-92	11.33	13.53	0.00	3900	3.3	4.0	34	120	NA	NA	NA	
07-Jul-92	12.14	12.72	0.00	640	<0.5	<0.5	8.1	9.3	NA	NA	NA	
01-Oct-92	12.62	12.24	0.00	280	<0.5	<0.5	4.8	5.9	NA	NA	NA	
10-Feb-93	10.70	14.16	0.00	1600	<0.5	<0.5	15	71	NA	NA	NA	
06-May-93	NA	NA	NA	1600	<0.5	<0.5	8.6	39	NA	NA	NA	
25-Aug-93	12.09	12.77	0.00	860	2.5	3	6.9	23	NA	NA	NA	Removed from Sampling Program
17-Nov-93	12.15	12.71	0.00	1100	<0.5	9.2	16	36	NA	NA	NA	
09-Feb-94	11.63	13.23	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
09-May-94	11.24	13.62	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
09-Aug-94	11.84	13.02	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
03-Nov-94	12.16	12.70	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
24-Feb-95	11.20	13.66	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
11-May-95	10.70	14.16	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
18-Aug-95	11.56	13.30	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
31-Oct-95	12.02	12.84	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
27-Feb-96	9.90	14.96	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
S-27	Top casing elevation (ft):			24.18								
24-Jul-89	10.73	13.45	0.00	1600	180	57	44	220	NA	NA	NA	
24-Oct-89	10.89	13.29	0.00	1000	11	45	37	160	NA	NA	NA	
08-Jan-90	11.70	12.48	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
26-Apr-90	12.09	12.09	0.00	6800	11	120	120	890	NA	NA	NA	

TABLE 1

WELL CONCENTRATIONS  
 Shell Oil Products Company  
 27501 Loyala Avenue  
 Hayward, California  
 WIC #204-3336-0300

Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	dO ppm	dO Method	Comments
18-Jul-90	11.77	12.41	0.00	1800	4.7	380	45	270	NA	NA	NA	
31-Oct-90	12.71	11.47	0.01	NA	NA	NA	NA	NA	NA	NA	NA	
23-Jan-91	12.60	11.58	0.00	1000	5.7	9.8	42	160	NA	NA	NA	Floating Product
18-Apr-91	11.56	12.62	0.00	1400	3.1	9.1	37	160	NA	NA	NA	
22-Jul-91	NA	NA	NA	1600	4.1	4.3	41	160	NA	NA	NA	
14-Oct-91	12.45	11.73	0.00	610	1.8	0.9	19	500	NA	NA	NA	
21-Jan-92	12.03	12.15	0.00	510	534	1.8	22	60	NA	NA	NA	
10-Apr-92	10.80	13.38	0.00	2500	3	7.9	49	320	NA	NA	NA	
07-Jul-92	11.73	12.45	0.00	960	<0.5	1.2	39	120	NA	NA	NA	
01-Oct-92	12.23	11.95	0.00	490	<0.5	1.6	25	65	NA	NA	NA	
10-Feb-93	10.02	14.16	0.00	7000	<0.5	<0.5	140	1100	NA	NA	NA	
06-May-93	NA	NA	NA	800	<0.5	<0.5	60	270	NA	NA	NA	
24-Aug-93	11.66	12.52	0.00	1700	<0.5	<0.5	66	230	NA	NA	NA	
17-Nov-93	11.65	12.53	0.00	240	3.1	<0.5	10	17	NA	NA	NA	Removed from Sampling Program
09-Feb-94	11.02	13.16	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
09-May-94	10.66	13.52	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
09-Aug-94	11.28	12.90	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
03-Nov-94	11.58	12.60	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
24-Feb-95	9.76	14.42	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
11-May-95	10.90	13.28	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
18-Aug-95	10.94	13.24	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
31-Oct-95	11.40	12.78	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
27-Feb-96	8.28	15.90	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
S-28	Top casing elevation (ft):			24.14								
24-Jul-89	10.30	13.84	0.00	1000	9.0	<0.5	19	110	NA	NA	NA	
24-Oct-89	11.83	12.31	0.00	140	0.8	<0.5	2.8	6.0	NA	NA	NA	
08-Jan-90	11.52	12.62	0.00	26000	630	79	360	3100	NA	NA	NA	

TABLE 1

WELL CONCENTRATIONS  
 Shell Oil Products Company  
 27501 Loyola Avenue  
 Hayward, California  
 WIC #204-3336-0300

Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	dO ppm	dO Method	Comments
26-Apr-90	12.02	12.12	0.00	220	8.0	1.1	5.0	6.0	NA	NA	NA	
18-Jul-90	11.62	12.52	0.00	80	0.7	<0.5	1.5	5.3	NA	NA	NA	
31-Oct-90	12.66	11.48	0.01	NA	NA	NA	NA	NA	NA	NA	NA	Floating Product
23-Jan-91	12.56	11.58	0.00	<50	<0.5	<0.5	1.5	5.0	NA	NA	NA	
18-Apr-91	11.52	12.62	0.00	240	20	1.4	12	34	NA	NA	NA	
22-Jul-91	NA	NA	NA	160	3.0	1.2	2.3	36	NA	NA	NA	
14-Oct-91	12.32	11.82	0.00	190	<0.5	<0.5	<0.5	17	NA	NA	NA	
21-Jan-92	11.97	12.17	0.00	520	7.0	24	15	200	NA	NA	NA	
10-Apr-92	10.72	13.42	0.00	310	3.0	1.4	6.1	35	NA	NA	NA	
07-Jul-92	11.66	12.48	0.00	80	<0.5	<0.5	1.3	<0.5	NA	NA	NA	
04-Oct-92	12.12	12.02	0.00	73	1.4	<0.5	1.7	0.8	NA	NA	NA	
10-Feb-93	9.96	14.18	0.00	3550	1.1	<0.5	8.6	38	NA	NA	NA	
06-May-93	NA	NA	NA	920	<0.5	<0.5	12	28	NA	NA	NA	
24-Aug-93	11.67	12.47	0.00	260	10	3.7	8.8	17	NA	NA	NA	
17-Nov-93	11.50	12.64	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
09-May-94	10.38	13.76	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
09-Aug-94	11.08	13.06	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
03-Nov-94	10.94	13.20	0.00	<50	<0.5	<0.5	1.3	2.6	NA	NA	NA	
24-Feb-95	9.67	14.47	0.00	<50	<0.5	<0.5	<0.5	1.0	NA	NA	NA	
11-May-95	9.77	14.37	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
18-Aug-95	10.72	13.42	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
31-Oct-95	11.18	12.96	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
S-29	Top casing elevation (ft):			24.16								
11-Jan-88	NA	NA	NA	2200	13	8.3	42	<0.5	NA	NA	NA	
24-Oct-88	NA	NA	NA	800	80	7.0	9.0	44	NA	NA	NA	
09-Feb-89	NA	NA	NA	180	7.1	<0.5	4.0	4.0	NA	NA	NA	
19-Apr-89	11.22	12.94	0.00	170	9.9	<0.5	2.0	<0.50	NA	NA	NA	

TABLE 1

WELL CONCENTRATIONS  
 Shell Oil Products Company  
 27501 Loyala Avenue  
 Hayward, California  
 WIC #204-3336-0300

Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	dO ppm	dO Method	Comments
24-Jul-89	11.65	12.51	0.00	140	7.8	<0.5	3.0	3.0	NA	NA	NA	
24-Oct-89	11.28	12.88	0.00	68	2.9	<0.5	2.3	3.0	NA	NA	NA	
08-Jan-90	11.52	12.64	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
26-Apr-90	15.20	8.96	0.2	NA	NA	NA	NA	NA	NA	NA	NA	Floating Product Removed from Sampling Program
31-Oct-90	13.35	10.81	0.00						NA			
23-Jan-91	11.34	12.82	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
18-Apr-91	14.81	9.35	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
14-Oct-91	13.58	10.58	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
24-Aug-93	14.72	9.44	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
17-Nov-93	12.40	11.76	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
09-Feb-94	12.06	12.10	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
09-May-94	10.40	13.76	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
03-Nov-94	11.38	12.78	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
24-Feb-95	9.60	14.56	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
11-May-95	9.73	14.43	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
18-Aug-95	10.79	13.37	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
31-Oct-95	11.28	12.88	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
27-Feb-96	8.72	15.44	0.00	NA	NA	NA	NA	NA	NA	NA	NA	

S-30	Top casing elevation (ft):			26.29								
24-Oct-88	NA	NA	NA	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
9-Feb-89	NA	NA	NA	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
19-Apr-89	14.10	12.19	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
21-Jul-89	14.46	11.83	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
23-Oct-89	14.57	11.72	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
8-Jan-90	14.54	11.75	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
26-Apr-90	14.67	11.62	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
18-Jul-90	14.73	11.56	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	

TABLE 1

WELL CONCENTRATIONS  
 Shell Oil Products Company  
 27501 Loyala Avenue  
 Hayward, California  
 WIC #204-3336-0300

Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	dO ppm	dO Method	Comments
31-Oct-90	15.27	11.02	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
23-Jan-91	15.14	11.15	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
18-Apr-91	14.10	12.19	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
22-Jul-91	NA	NA	NA	130	3.4	8.1	3.7	19	NA	NA	NA	
14-Oct-91	15.07	11.22	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
21-Jan-92	14.56	11.73	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
10-Apr-92	13.42	12.87	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
7-Jul-92	14.34	11.95	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
1-Oct-92	14.82	11.47	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
11-Feb-93	12.82	13.47	0.00	<50	<0.5	<0.5	<0.5	0.6	NA	NA	NA	
6-May-93	NA	NA	NA	<50	<0.5	<0.5	<0.5	1.7	NA	NA	NA	
24-Aug-93	14.34	11.95	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
17-Nov-93	14.45	11.84	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
9-Feb-94	13.82	12.47	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
9-May-94	13.51	12.78	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
9-Aug-94	14.28	12.01	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
3-Nov-94	14.52	11.77	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
24-Feb-95	12.96	13.33	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
11-May-95	13.16	13.13	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
18-Aug-95	13.96	12.33	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
31-Oct-95	14.40	11.89	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2	NA	NA	
27-Feb-96	10.60	15.69	0.00	<50	<0.5	<0.5	<0.5	<0.5				
<b>S-31</b>	<b>Top casing elevation (ft):</b>			<b>25.41</b>								
24-Oct-88	NA	NA	NA	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
9-Feb-89	NA	NA	NA	<50	0.5	<0.5	<0.5	3.0	NA	NA	NA	
19-Apr-89	12.28	13.13	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
21-Jul-89	13.17	12.24	0.00	<50	<0.5	<0.5	<0.5	<0.5				





TABLE 1

WELL CONCENTRATIONS  
 Shell Oil Products Company  
 27501 Loyala Avenue  
 Hayward, California  
 WIC #204-3336-0300

Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	dO ppm	dO Method	Comments
18-Aug-95	12.67	13.07	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
31-Oct-95	13.05	12.69	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
27-Feb-96	10.80	14.94	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
<b>S-33</b>	<b>Top casing elevation (ft):</b>			<b>23.97</b>								
24-Oct-88	NA	NA	NA	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
9-Feb-89	NA	NA	NA	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
19-Apr-89	10.45	13.52	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
21-Jul-89	10.93	13.04	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
23-Oct-89	11.02	12.95	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
8-Jan-90	11.11	12.86	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
26-Apr-90	11.31	12.66	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
18-Jul-90	11.23	12.74	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
31-Oct-90	11.97	12.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
23-Jan-91	11.91	12.06	0.00	<50	<0.5	0.9	<0.5	1.3	NA	NA	NA	
18-Apr-91	10.62	13.35	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
22-Jul-91	NA	NA	NA	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
14-Oct-91	11.69	12.28	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
21-Jan-92	11.27	12.70	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
10-Apr-92	9.86	14.11	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
7-Jul-92	10.87	13.10	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
1-Oct-92	11.43	12.54	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
11-Feb-93	9.12	14.85	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
6-May-93	NA	NA	NA	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
24-Aug-93	10.81	13.16	0.00	<50	2.3	1.2	0.7	2.6	NA	NA	NA	
17-Nov-93	10.91	13.06	0.00	NA	NA	NA	NA	NA	NA	NA	NA	Not sampled
9-Feb-94	10.35	13.62	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
9-May-94	9.91	14.06	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	



TABLE 1

WELL CONCENTRATIONS  
 Shell Oil Products Company  
 27501 Loyala Avenue  
 Hayward, California  
 WIC #204-3336-0300

Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	dO ppm	dO Method	Comments
9-Aug-94	10.62	13.35	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
3-Nov-94	10.94	13.03	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
24-Feb-95	9.16	14.81	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
11-May-95	9.25	14.72	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
18-Aug-95	10.20	13.77	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
31-Oct-95	10.74	13.23	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
27-Feb-96	7.73	16.24	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2	NA	NA	

S-34	Top casing elevation (ft):		24.07									
24-Oct-88	NA	NA	NA	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
9-Feb-89	NA	NA	NA	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
19-Apr-89	10.81	13.26	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
21-Jul-89	11.38	12.69	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
23-Oct-89	11.39	12.68	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
8-Jan-90	11.44	12.63	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
26-Apr-90	11.69	12.38	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
18-Jul-90	11.67	12.40	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
31-Oct-90	12.35	11.72	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
23-Jan-91	12.35	11.72	0.00	<50	<0.5	0.9	<0.5	<0.5	NA	NA	NA	
18-Apr-91	10.97	13.10	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
22-Jul-91	NA	NA	NA	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
14-Oct-91	12.08	11.99	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
21-Jan-92	11.58	12.49	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
10-Apr-92	10.20	13.87	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
7-Jul-92	11.26	12.81	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
1-Oct-92	11.83	12.24	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
11-Feb-93	9.40	14.67	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
6-May-93	NA	NA	NA	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	

**WELL CONCENTRATIONS**  
**Shell Oil Products Company**  
**27501 Loyala Avenue**  
**Hayward, California**  
**WIC #204-3336-0300**

Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	dO ppm	dO Method	Comments
17-Nov-93	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
9-Feb-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Abandoned
<b>S-35</b>	<b>Top casing elevation (ft):</b>			<b>23.63</b>								
24-Oct-88	NA	NA	NA	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
9-Feb-89	NA	NA	NA	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
19-Apr-89	10.61	13.02	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
21-Jul-89	11.18	12.45	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
23-Oct-89	11.18	12.45	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
8-Jan-90	11.27	12.36	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
26-Apr-90	11.42	12.21	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
18-Jul-90	11.47	12.16	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
31-Oct-90	12.10	11.53	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
23-Jan-91	12.05	11.58	0.00	<50	<0.5	1.7	0.6	2.9	NA	NA	NA	
18-Apr-91	10.65	12.98	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
22-Jul-91	NA	NA	NA	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
14-Oct-91	11.87	11.76	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
21-Jan-92	11.32	12.31	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
10-Apr-92	9.90	13.73	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
7-Jul-92	11.02	12.61	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
1-Oct-92	11.60	12.03	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
11-Feb-93	9.10	14.53	0.00	<50	<0.5	<0.5	1.6	7.1	NA	NA	NA	
6-May-93	NA	NA	NA	<50	<0.5	<0.5	NA	NA	NA	NA	NA	
17-Nov-93	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Abandoned
9-Feb-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
<b>S-36</b>	<b>Top casing elevation (ft):</b>			<b>23.52</b>								
31-May-89	NA	NA	NA	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	

TABLE 1

WELL CONCENTRATIONS  
 Shell Oil Products Company  
 27501 Loyala Avenue  
 Hayward, California  
 WIC #204-3336-0300

Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	dO ppm	dO Method	Comments
21-Jul-89	11.13	12.39	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
23-Oct-89	11.15	12.37	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
8-Jan-90	11.19	12.33	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
26-Apr-90	11.40	12.12	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
18-Jul-90	11.42	12.10	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
31-Oct-90	12.09	11.43	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
23-Jan-91	12.05	11.47	0.00	<50	<0.5	0.9	<0.5	2.0	NA	NA	NA	
18-Apr-91	10.68	12.84	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
22-Jul-91	NA	NA	NA	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
14-Oct-91	11.23	12.29	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
21-Jan-92	11.30	12.22	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
10-Apr-92	9.94	13.58	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
7-Jul-92	11.02	12.50	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
1-Oct-92	11.58	11.94	0.00	93	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
11-Feb-93	9.17	14.35	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
6-May-93	NA	NA	NA	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
24-Aug-93	10.97	12.55	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	Not sampled
17-Nov-93	11.07	12.45	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
9-Feb-94	10.38	13.14	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
9-May-94	10.00	13.52	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
9-Aug-94	10.82	12.70	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
3-Nov-94	11.12	12.40	0.00	<50	<0.5	0.7	<0.5	<0.5	NA	NA	NA	
24-Feb-95	9.22	14.30	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
11-May-95	9.38	14.14	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
18-Aug-95	10.40	13.12	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
31-Oct-95	10.85	12.67	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	

**WELL CONCENTRATIONS**  
**Shell Oil Products Company**  
**27501 Loyala Avenue**  
**Hayward, California**  
**WIC #204-3336-0300**

Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	dO ppm	dO Method	Comments
<b>S-37</b>	<b>Top casing elevation (ft):</b>			<b>25.99</b>								
31-May-89	NA	NA	NA	510	76	180	24	180	NA	NA	NA	
21-Jul-89	13.84	12.15	0.00	210	28	11	12	37	NA	NA	NA	
23-Oct-89	13.96	12.03	0.00	27	33	3.2	16	27	NA	NA	NA	
8-Jan-90	13.94	12.05	0.00	21	41	3.8	9.2	12	NA	NA	NA	
26-Apr-90	14.18	11.81	0.00	<50	8.4	1.2	2.8	3.0	NA	NA	NA	
18-Jul-90	14.12	11.87	0.00	80	19	2.0	4.0	3.3	NA	NA	NA	
31-Oct-90	14.80	11.19	0.00	<50	2.8	1.0	<0.5	0.6	NA	NA	NA	
23-Jan-91	14.66	11.33	0.00	<50	3.4	3.5	1.4	6.0	NA	NA	NA	
18-Apr-91	13.62	12.37	0.00	140	33	1.2	3.4	4.2	NA	NA	NA	
22-Jul-91	NA	NA	NA	<50	1.2	<0.5	<0.5	<0.5	NA	NA	NA	
14-Oct-91	14.60	11.39	0.00	50	9.1	1.3	<0.5	1.1	NA	NA	NA	
21-Jan-92	14.12	11.87	0.00	<50	1.1	1.4	0.6	3.0	NA	NA	NA	
10-Apr-92	13.00	12.99	0.00	81	8.7	0.8	2.3	3.2	NA	NA	NA	
7-Jul-92	13.87	12.12	0.00	<50	6.9	0.8	2.7	2.5	NA	NA	NA	
1-Oct-92	14.35	11.64	0.00	58	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
11-Feb-93	12.29	13.70	0.00	200	23	2	16	17	NA	NA	NA	
6-May-93	NA	NA	NA	90	8.2	2.9	9.0	1.2	NA	NA	NA	
24-Aug-93	13.84	12.15	0.00	<50	1.4	1.3	0.9	3.4	NA	NA	NA	
17-Nov-93	13.84	12.15	0.00	<50	<0.5	<0.5	<0.5	0.9	NA	NA	NA	
9-Feb-94	13.25	12.74	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
9-May-94	12.91	13.08	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
9-Aug-94	13.62	12.37	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
3-Nov-94	13.86	12.13	0.00	<50	1.1	<0.5	1.0	3.6	NA	NA	NA	
24-Feb-95	12.24	13.75	0.00	<50	1.2	0.8	1.6	4.8	NA	2.2	YSI Meter	
11-May-95	12.55	13.44	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
18-Aug-95	13.35	12.64	0.00	<50	<0.5	<0.5	<0.5	0.9	NA	NA	NA	
31-Oct-95	13.86	12.13	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	

TABLE 1

**WELL CONCENTRATIONS**  
**Shell Oil Products Company**  
**27501 Loyala Avenue**  
**Hayward, California**  
**WIC #204-3336-0300**

Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	dO ppm	dO Method	Comments
27-Feb-96	8.56	17.43	0.00	630	10	4.6	28	120	<2	NA	NA	
<b>S-38</b>	<b>Top casing elevation (ft):</b>		<b>25.29</b>									
21-Jul-89	13.39	11.90	0.00	50	0.6	<0.5	<0.5	<0.5	NA	NA	NA	
23-Oct-89	13.48	11.81	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
8-Jan-90	13.45	11.84	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
26-Apr-90	13.60	11.69	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
18-Jul-90	13.61	11.68	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
31-Oct-90	14.22	11.07	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
23-Jan-91	14.09	11.20	0.00	<50	0.7	0.9	<0.5	3.5	NA	NA	NA	
18-Apr-91	12.96	12.33	0.00	<50	0.5	0.5	<0.5	1.6	NA	NA	NA	
22-Jul-91	NA	NA	NA	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
14-Oct-91	14.00	11.29	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
21-Jan-92	13.50	11.79	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
10-Apr-92	12.33	12.96	0.00	<50	<0.5	<0.5	0.4	0.4	NA	NA	NA	
7-Jul-92	13.26	12.03	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
1-Oct-92	13.77	11.52	0.00	<50	<0.5	<0.5	<0.5	2.1	NA	NA	NA	
11-Feb-93	11.63	13.66	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
6-May-93	NA	NA	NA	<50	<0.5	<0.5	<0.5	0.7	NA	NA	NA	
24-Aug-93	13.25	12.04	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
17-Nov-93	13.32	11.97	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
9-Feb-94	12.7	12.59	0.00	NA	NA	NA	NA	NA	NA	NA	NA	
9-May-94	12.38	12.91	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
9-Aug-94	13.10	12.19	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
3-Nov-94	13.38	11.91	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
24-Feb-95	11.76	13.53	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
11-May-95	11.90	13.39	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	**	NA	
18-Aug-95	12.83	12.46	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA			

TABLE 1

WELL CONCENTRATIONS  
 Shell Oil Products Company  
 27501 Loyala Avenue  
 Hayward, California  
 WIC #204-3336-0300

Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	dO ppm	dO Method	Comments
31-Oct-95	13.55	11.74	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
27-Feb-96	10.51	14.78	0.00	<50	<0.5	1.1	<0.5	1.1	<2	NA	NA	
<b>S-38 (DUP)</b>												
31-Oct-95	NA	NA	NA	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	

Abbreviations:

TPPH = Total Purgeable Petroleum Hydrocarbons carbon range C6 to C12 by Modified EPA Method 8015  
 (previously reported as Total Petroleum Hydrocarbons as Gasoline)

NA = Not analyzed or not available

(DUP) = Duplicate

<x = Not detected at detection limit of x

Notes:

\* = The hydrocarbon reported as TPH as gasoline does not appear to be indicative of gasoline.

\*\* = Roots in Well, could not get bailer past roots

Depth to water measured from top of well box

177



CITY OF  
**HAYWARD**  
HEART OF THE BAY

FILE COPY  
COPY

June 29, 2001

Chuck Headlee, Associate Engineering Geologist  
California Regional Water Quality Control Board  
San Francisco Bay Region  
1515 Clay Street, Suite 1400  
Oakland, CA 94612

Subject: Case Closure Request for the Site of Former Shell Service Station  
27501 Loyola Avenue, Hayward, California

Dear Mr. Headlee:

The Hayward Fire Department, as the local implementing agency, would like to request that closure be granted for the site contamination case at the former Shell Service Station facility in Hayward, as captioned above. This request is based on recent and historical soil and groundwater data and monitoring results reported by Cambria Environmental Technology, Inc., consultants for Equiva Services, LLC, the responsible party in this case. Technical reports received from Cambria and previous consultants were stamped/signed by geologists registered with the State of California.

#### Site Background

The site is presently being redeveloped into a residential site. For this purpose, a separate site assessment focused on human health risks was also conducted and submitted to the Regional Board for review. The regional Board has concurred with the findings of the study that the site may be used for a residential project.

The site is located on the southeastern corner of the T-intersection of Loyola Avenue and Hesperian Boulevard. The locations of the former USTs and other system components are shown on Figure 1, attached to the Site Closure Summary.

The site operated as a Shell Service Station from about 1956 to 1978 when it was closed down. A total of 10 USTs were installed and removed from the site. There are no records of the removal of four tanks, including a used oil tank and three fuel tanks installed in 1969. Four other tanks installed in 1958 and one installed in 1970 were removed in 1984. Lastly, a UST installed in 1985 to store contaminated groundwater pumped out during remediation was removed in 1993.

As part of the requirements to confirm results of investigation prior to closure, a geophysical survey of the site was done to determine if there might be remaining USTs at the site. Cambria concluded that there are no remaining USTs on the property.

Borings were advanced and monitoring wells installed as early as 1983 to investigate contamination at the site. In 1985, selected monitoring wells were converted to extraction wells to extract separate-phase hydrocarbons (SPH) found on groundwater. Two separate extraction systems using 12 groundwater wells were operated from 1985 to 1994.

In 1989, nine monitoring wells were installed at off-site locations. Soil data from borings for these wells

#### FIRE DEPARTMENT

777 B STREET, HAYWARD, CA 94541-5007

TEL: 510/583-4900 • FAX: 510/583-3640 • TDD: 510/247-3340

are summarized in the attached appendix to the Site Closure Summary. Since 1993, monitoring and remediation has been scaled down. The UST for the extracted SPH and groundwater was removed, and some wells were abandoned. Soil vapor extraction tests were done at the site that supported the closure of the groundwater extraction systems.

### **Soil Investigation**

In 1984, petroleum hydrocarbons were observed in soils between 11-ft and 14-ft depths. Soil sampling data from the borings, the well installations, and the documented UST removals showed that the contamination was confined to the 11-ft to 14-ft depth and that soil contamination did not extend beyond the site's boundaries.

### **Groundwater Investigation**

Groundwater at this site has historically ranged in depth from 8.55 ft bgs to 15.27 ft bgs. The groundwater flow direction is southward at a gradient of approximately 0.005.

The groundwater extraction systems effectively removed SPH from groundwater. No SPH has been observed on groundwater at this site since 1991. Concentrations of constituents of interest have also shown continued decrease over time, indicating that the plume has been shrinking.

### **Notification**

We have notified the responsible party of our intention to recommend closure of this contamination site case. The responsible party has been tasked to notify all record title fee holders of this proposed action.

### **Groundwater Wells in the Area**

Groundwater at the site is shallow and there are no water supply wells in the vicinity screened within the shallow groundwater zone. Cambria has concluded that no surface water features or sensitive habitats have been affected by the release from the subject site.

### **Closure**

We would like to recommend closure of the case for soil and groundwater contamination based on the following reasons:

1. The possible sources (all underground storage tanks systems installed at the site since 1956) have been removed;
2. Contaminated soil has been excavated and removed;
3. The site has been adequately characterized, with the lateral and vertical delineation of the extent of soil and groundwater contamination;
4. Long-term groundwater monitoring indicated a general deterioration of contamination levels. The plume is not migrating and is shrinking;
5. MTBE was not detected in groundwater; and
6. Groundwater is not likely to be used for drinking water. No water wells, deeper drinking water aquifers, surface water, or other sensitive receptors are likely to be impacted.

Attached is a completed "Site Closure Summary" form for this case. I have also reviewed the reports associated with this site on file with the Hayward Fire Department. I believe that the current responsible

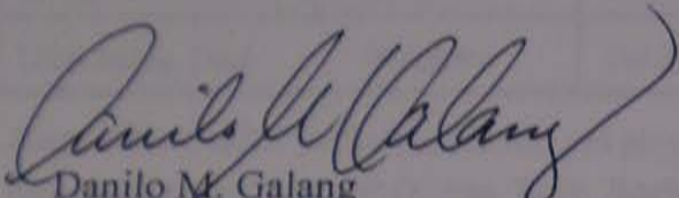


party, Equiva Services, LLC and its consultant on record, Cambria Environmental Technology, Inc., have met the intent of the California Regional Water Quality Control Board in the investigation, remediation, and confirmation monitoring of this UST site. I therefore recommend that the CRWQCB grant official closure to this UST case.

The responsible party will be required to properly abandon all groundwater wells on site after case closure is granted.

If you have any questions regarding the details of this case, or if you require copies of reports not in your files, please call me at (510) 583-4925.

Sincerely,

  
Danilo M. Galang  
Environmental Specialist

Encl: Site Closure Summary with Attachments

cc: Hugh Murphy, Hazardous Materials Program Coordinator

**SITE CLOSURE SUMMARY**

**I. AGENCY INFORMATION**

Date: **June 29, 2001**

Agency Name: <b>S. F. B. R. W. Q. C. B.</b>	Address: <b>1515 Clay Street, Suite 1400</b>
City/State/Zip: <b>Oakland, CA 94612</b>	Phone: <b>(510) 622-2300</b>
Responsible Staff Person: <b>Chuck Headlee</b>	Title: <b>Associate Engineering Geologist</b>

**II. SITE INFORMATION**

Site Facility Name: <b>Former Shell Service Station</b>		
Site Facility Address: <b>27501 Loyola Avenue, Hayward, California 94545</b>		
RB LUSTIS Case No. <b>01-1348</b>	Local or LOP Case No.:	Priority:
URF Filing Date: <b>07/20/87</b>	SWEEPS No.: <b>01-003-003239</b>	

Responsible Parties (include addresses and phone numbers)  
**Equiva Services LLC, P.O. Box 7869, Burbank, CA 91510-7869**  
**Contact: Karen Petryna / Tel: (559) 645-9306**

Tank No.	Size in Gallons	Contents	Closed In-Place/Removed?	Date
1	8000	Unleaded Gasoline	Installed 1970/Removed Aug 84	8/84
2	5000	Regular Gasoline	Installed 1958/Removed Aug 84	8/84
3	5000	Regular Gasoline	Installed 1958/Removed Aug 84	8/84
4	5000	Unleaded Gasoline	Installed 1958/Removed Aug 84	8/84
5	Unknown	Waste Oil	Installed 1958/Removed Aug 84	8/84
6	8000	Unleaded Gasoline	Installed 1969/Removed- Unknown	Unknown
7	8000	Regular Gasoline	Installed 1969/Removed- Unknown	Unknown
8	550	Waste Oil	Installed 1969/Removed- Unknown	Unknown
9	Unknown	Premium Gasoline	Installed 1969/Removed- Unknown	Unknown
10	1000	Product Recovery	Installed 1985/Removed 1993	1993

**III. RELEASE AND SITE CHARACTERIZATION INFORMATION**

Cause and Type of Release: <b>Unknown mechanism; free product found in groundwater</b>			
Site characterization complete?	<b>Yes</b>	Date Approved By Oversight Agency:	
Monitoring wells installed?	<b>Yes</b>	Number: <b>35</b>	Proper screened interval? <b>Yes</b>
Highest GW Depth Below Ground Surface: <b>7.73'</b>		Lowest Depth: <b>15.27'</b>	Flow Direction: <b>S/SE</b>
Most Sensitive Current Use: <b>None KNown</b>			
Most Sensitive Potential Use and Probability of Use: <b>None Known</b>			
Are drinking water wells affected?	<b>No</b>	Aquifer Name: <b>Unknown</b>	
Is surface water affected?	<b>No</b>	Nearest/Affected SW Name: <b>NA</b>	
Off-Site Beneficial Use Impacts (Addresses/Locations): <b>None Known</b>			
Report(s) on file?	<b>Yes</b>	Where are reports filed? <b>SFBRWQCB &amp; Hayward Fire Department</b>	

**TREATMENT AND DISPOSAL OF AFFECTED MATERIAL**

Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tank	10 tanks; capacities range from 550-gal to 8,000-gal	9 tanks disposed of at unknown facility. 1 x 1,000-gallon disposed of at Erickson Inc., Richmond, CA	5 in 1984; 1 in 1993; 4 on unknown date
Piping	Unknown	Removed and disposed of at unknown facility	Unknown
Free Product	Approximately 848 lbs	Removed by groundwater extraction system. Disposal facility unknown	1985 - 1994
Soil	Unknown	Disposal Facility unknown	Unknown
Groundwater	15,623,280 gallons	Water disposed of in sanitary sewer under permit	1985 - 1994
Barrels	None		

**MAXIMUM DOCUMENTED POLLUTANT CONCENTRATIONS—BEFORE AND AFTER CLEANUP**

POLLUTANT	Soil (ppm)		Water (ppb)		POLLUTANT	Soil (ppm)		Water (ppb)	
	Before	After	Before	After		Before	After	Before	After
TPH (Gas)	ND	ND	SPH	980	Xylene	ND	NA	SPH	130
TPH (Diesel)	NA	ND	NA	NA	Ethylbenzene	ND	NA	SPH	49
Benzene	ND	ND	SPH	68	Oil & Grease	NA	NA	NA	NA
Toluene	ND	ND	SPH	15	Heavy Metals	NA	NA	NA	NA
MTBE	NA	NA	10	<0.5	Other				

Comments (Depth of Remediation, etc.): 15,623,280 gallons of water were extracted by a groundwater extraction and treatment system over a period of 9 years (5/85 through 3/94) to remove hydrocarbons from groundwater. SVE testing in 1994 removed 36.80 lbs. of TPHg and 0.21 lbs. of benzene. No separate phase hydrocarbon (SPH) has been detected in monitoring wells since 1/91. Concentrations of hydrocarbons in groundwater monitoring wells at the site continue to show decreasing trends suggesting natural attenuation processes are working.

**IV. CLOSURE**

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan?	Yes
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan?	Yes
Does corrective action protect public health for current land use?	Yes
Site Management Requirements: Residual impacted soil or groundwater disturbed or removed during future development activities must be properly managed and disposed of. Should property use intensify, a separate site assessment shall be conducted and clearance obtained from the Regional Board for proposed more intensive use.	
Monitoring Wells Decommissioned: Yes	Number Decommissioned: 6      Number Retained: 33
List Enforcement Actions Taken: None	
List Enforcement Actions Rescinded: None	

V. TECHNICAL REPORTS, CORRESPONDENCE ETC., THAT THIS CLOSURE RECOMMENDATION WAS BASED UPON

See attached list of correspondences and reports

VI. ADDITIONAL COMMENTS, DATA, ETC.

PLEASE INCLUDE/ATTACH THE FOLLOWING AS APPROPRIATE:

- 1) SITE MAP INDICATING TANK PIT LOCATION, MONITORING WELL LOCATION, GROUNDWATER GRADIENT, ETC.; AND,
- 2) SITE COMMENTS WORTHY OF NOTICE (E.G., AREA OF RESIDUAL POLLUTION LEFT IN PLACE, DEED NOTICES ETC.)

Based on RWQCB criteria, the subject site can be classified as a low-risk site. Groundwater is shallow, no water supply wells are screened within the shallow groundwater zone, and no surface water features or sensitive habitats have been affected by the release at this site. Historical groundwater data indicate that source removal has been effective and that the plume is shrinking. Residual hydrocarbons in groundwater are expected to continue to undergo natural attenuation processes.

A recent *Human Health Risk Assessment* prepared for this site (May 10, 2001) concluded the property was suitable for residential development. The SF Bay RWQCB reviewed this report and concurred with this conclusion in their June 13, 2001 letter.

Geophysical testing performed during May 2001 concluded there are no remaining underground storage tanks buried at this site.

Site maps and groundwater data are included and attached to this Site Closure Summary.

This document and the related CASE CLOSURE LETTER, shall be retained by the lead agency as part of the official site file.

Soil and Groundwater Investigation  
Diaperies and Bolers,  
Hayward, California

Environ Associates

Letter to Center-Ryan 12-17-83  
Status of On-going Remedial  
Investigation for the East Service  
Station located at  
2701 Loyola and Hesperian Blvd in  
Hayward, California

Environ Associates

Letter to Center-Ryan 3-31-86  
Status of On-going Remedial  
Investigation  
Soil Status located at  
Loyola Avenue and Hesperian Blvd  
Hayward, California

BOLERO

LOYOLA

Tanks

E-1

E-2

E-3

Island

Garage

Island

HESPERIAN



Approximate direction of ground water flow

LEGEND

E-2 ● boring number and location

Not to scale



**EMCON**  
Associates

San Jose, California

GETTLER - RYAN, INC.  
SUBSURFACE HYDROGEOLOGIC INVESTIGATIONS  
SHELL STATION, HESPERIAN AT BOLERO  
HAYWARD, CALIFORNIA

BORING LOCATION MAP

FIGURE

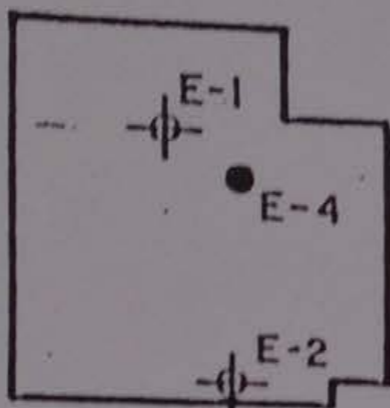
PROJECT NO.  
438-33.1

BOLERO

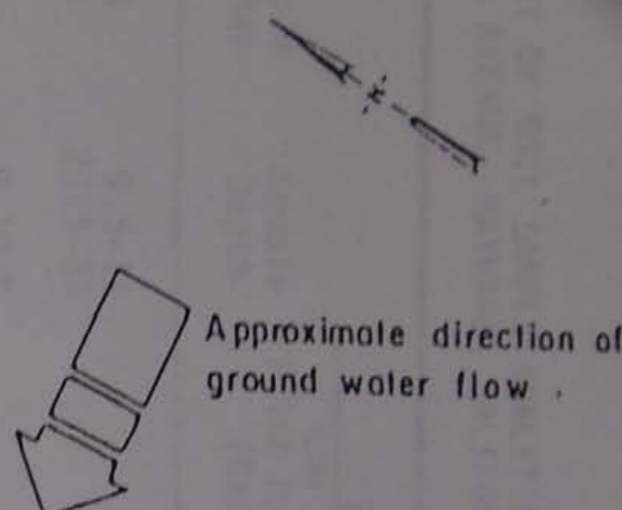
LOYOLA

HESPERIAN




Not to scale



Backfilled tank excavation



LEGEND

-  Soil borings (drilled July 23, 1984)
-  Monitoring well (Destroyed)
-  Replacement monitoring well



**EMCON**  
Associates

San Jose, California

GETTLER - RYAN, INC.  
SUBSURFACE HYDROGEOLOGIC INVESTIGATIONS  
SHELL STATION, HESPERIAN AT BOLERO  
HAYWARD, CALIFORNIA

BORING LOCATION MAP

FIGURE

PROJECT #  
430-33

Quality Control Board

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS, FORMER SHELL SERVICE STATION, 27501  
LOYOLA AVENUE, HAYWARD, CALIFORNIA

Well/ Boring Number	Sample Number	Sample Depth	Parts per Million (ppm) - Dry Soil Basis				
			Low Boiling Point Hydrocarbons (Gasoline)	Benzene	Toluene	Ethyl- benzene	Xylenes
S-30	2A	9.5-11	ND	ND	ND	ND	ND
	6A	29.5-31	ND	ND	ND	ND	ND
S-31	2A	9-10.5	ND	ND	ND	ND	ND
	6A	29.5-31	ND	ND	ND	ND	ND
S-32	2A	9-10.5	ND	ND	ND	ND	ND
	6A	29.5-31	ND	ND	ND	ND	ND
S-33	2A	9-10.5	ND	ND	ND	ND	ND
	5A	24-25.5	ND	ND	ND	ND	ND
S-34	2A	9-10.5	ND	ND	ND	ND	ND
	5A	22.5-24	ND	ND	ND	ND	ND
S-35	2A	9.5-11	ND	ND	ND	ND	ND
	5A	21.5-23	ND	ND	ND	ND	ND
Detection Limit (ppm)			5.	0.05	0.1	0.1	0.3

ND = None Detected

TABLE 1

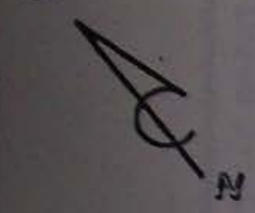
## SOIL SAMPLE ANALYSIS DATA

BORING NO	SAMPLE DATE	ANALYSIS DATE	TPH (PPM)	BENZENE (PPM)	TOLUENE (PPM)	ETHYLBENZENE (PPM)	XYLENES (PPM)
S-36-10'	25-Jun-89	30-Jun-89	ND	ND	ND	ND	ND
S-36-25'	25-Jun-89	30-Jun-89	ND	ND	ND	ND	ND
S-37-11'	25-Jun-89	30-Jun-89	ND	ND	ND	ND	ND
S-37-21'	25-Jun-89	30-Jun-89	ND	ND	ND	ND	ND
S-37-31'	25-Jun-89	30-Jun-89	ND	ND	ND	ND	ND
S-38-10'	12-Jul-89	18-Aug-89	ND	ND	ND	ND	ND

TPH = Total Petroleum Hydrocarbons as Gasoline  
 PPM = parts per million  
 ND = None Detected

Note: 1. For chemical parameter detection limits, refer to I.T. laboratory reports in Appendix B

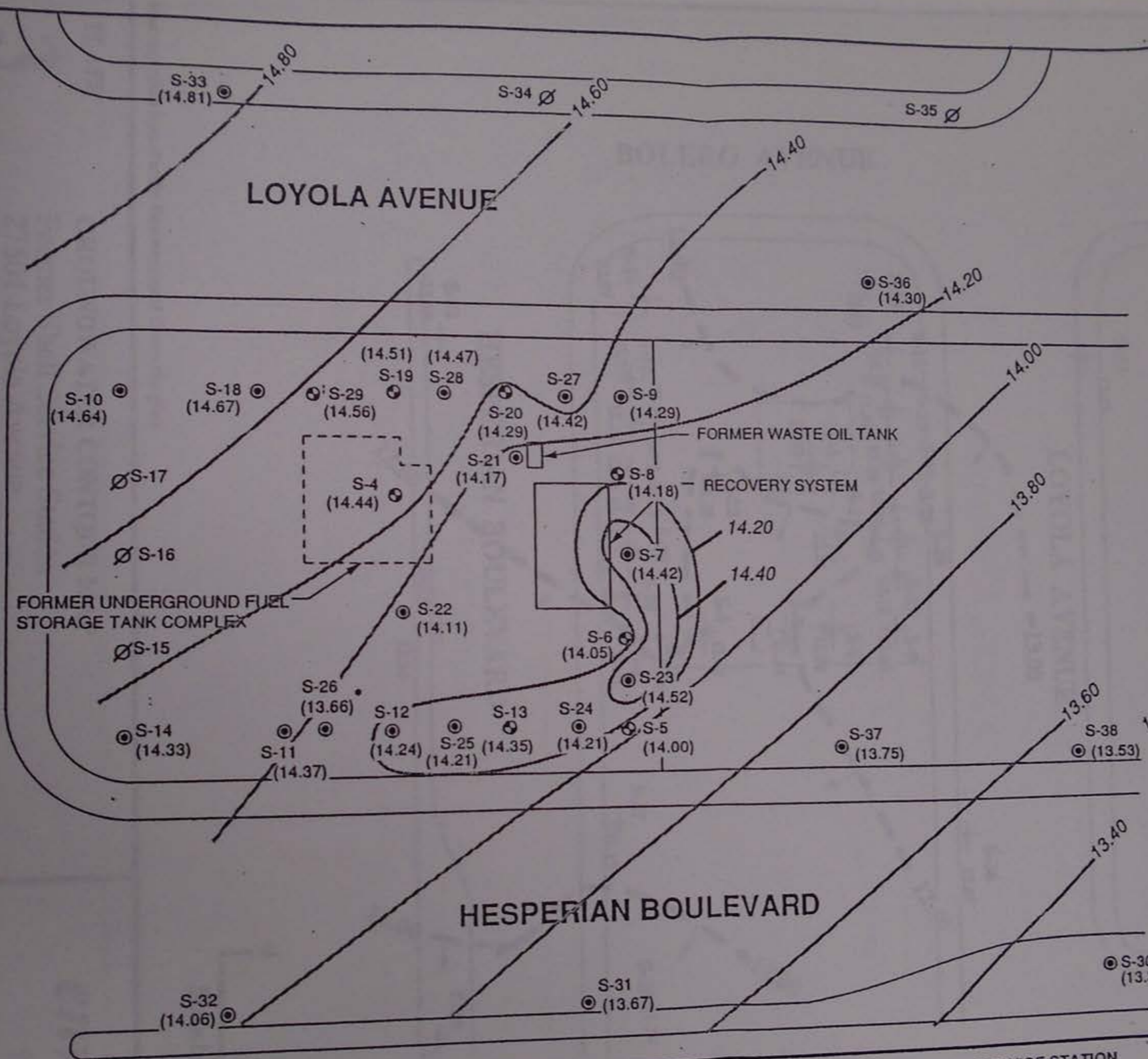




BOLERO AVENUE

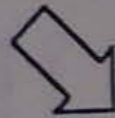
LOYOLA AVENUE

HESPERIAN BOULEVARD



**LEGEND**

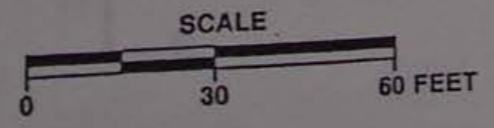
- S-11 ● GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
- S-13 ● GROUNDWATER EXTRACTION WELL LOCATION AND DESIGNATION
- S-35 ∅ ABANDONED GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
- (13.75) GROUNDWATER ELEVATION IN FEET - MSL, 2-24-95
- 14.00 — GROUNDWATER ELEVATION CONTOUR IN FEET - MSL, 2-24-95
- ANOMOLOUS DATA NOT USED IN CONTOURING

  
 APPROXIMATE DIRECTION OF GROUNDWATER FLOW  
 APPROXIMATE GRADIENT = 0.005

REFERENCE: BASE MAP FROM GEOSTRATEGIES, INC.



PACIFIC ENVIRONMENTAL GROUP, INC.






SHELL SERVICE STATION  
27501 Loyola Avenue at Bolero Avenue  
Hayward, California

GROUNDWATER ELEVATION CONTOUR MAP

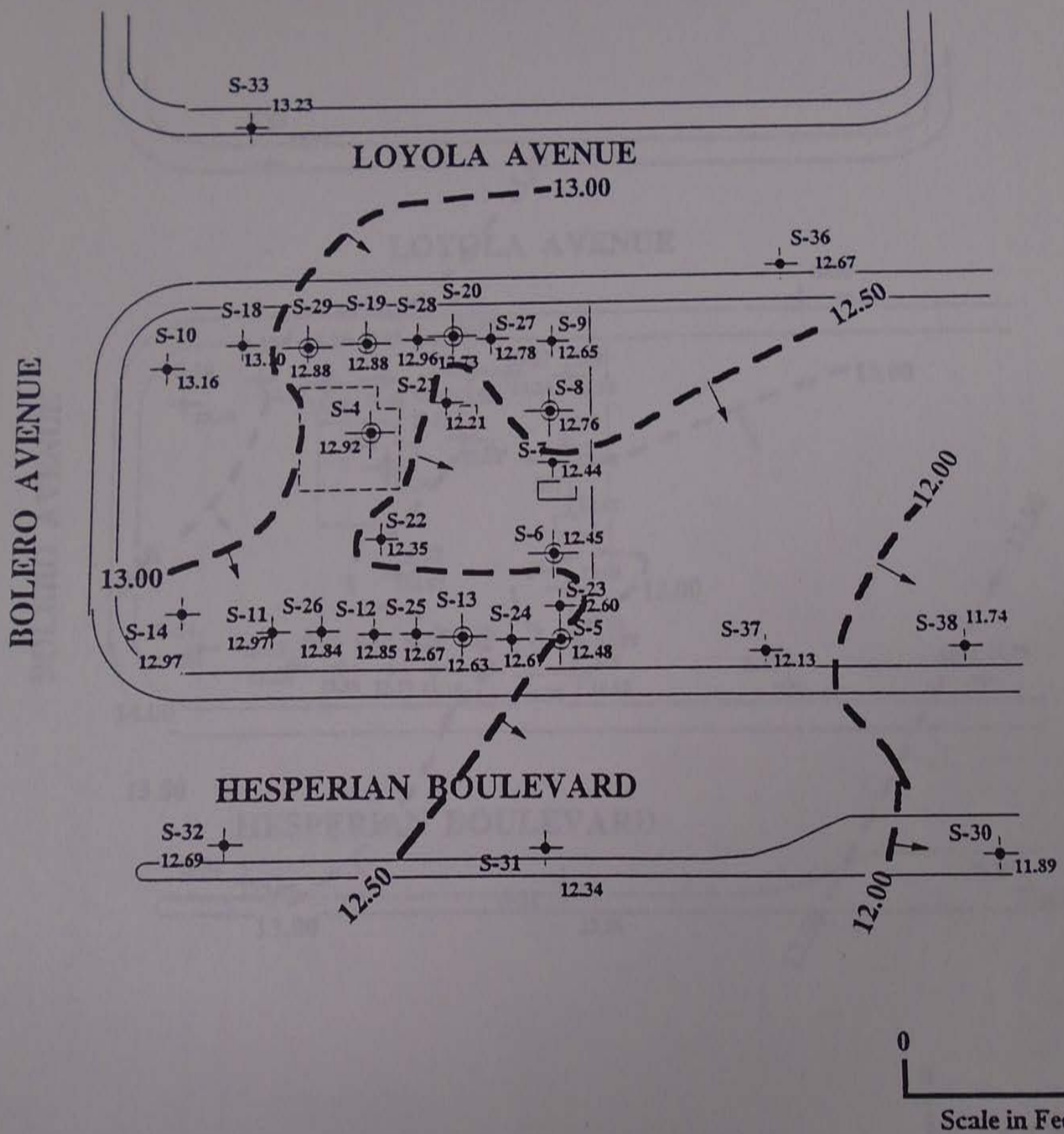
FIGURE: 1  
PROJECT: 305-138.28



### EXPLANATION

-  Groundwater Monitoring Well
-  Groundwater Extraction Well
-  Groundwater Elevation Contour
- 13.00  
Approximate Hydraulic Gradient = 0.005.

Note: Water levels measured on October 31, 1995



Base map taken from Pacific Environmental Group site plan.

PLATE

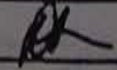
# 3

**GROUNDWATER CONTOUR MAP**  
 Former Shell Service Station  
 27501 Loyola Avenue  
 Hayward, California

**enviros**®  
 95286

Drawn By: CJG

Date: 12-20-95

Approved By: 

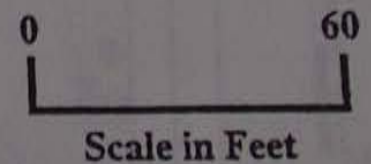
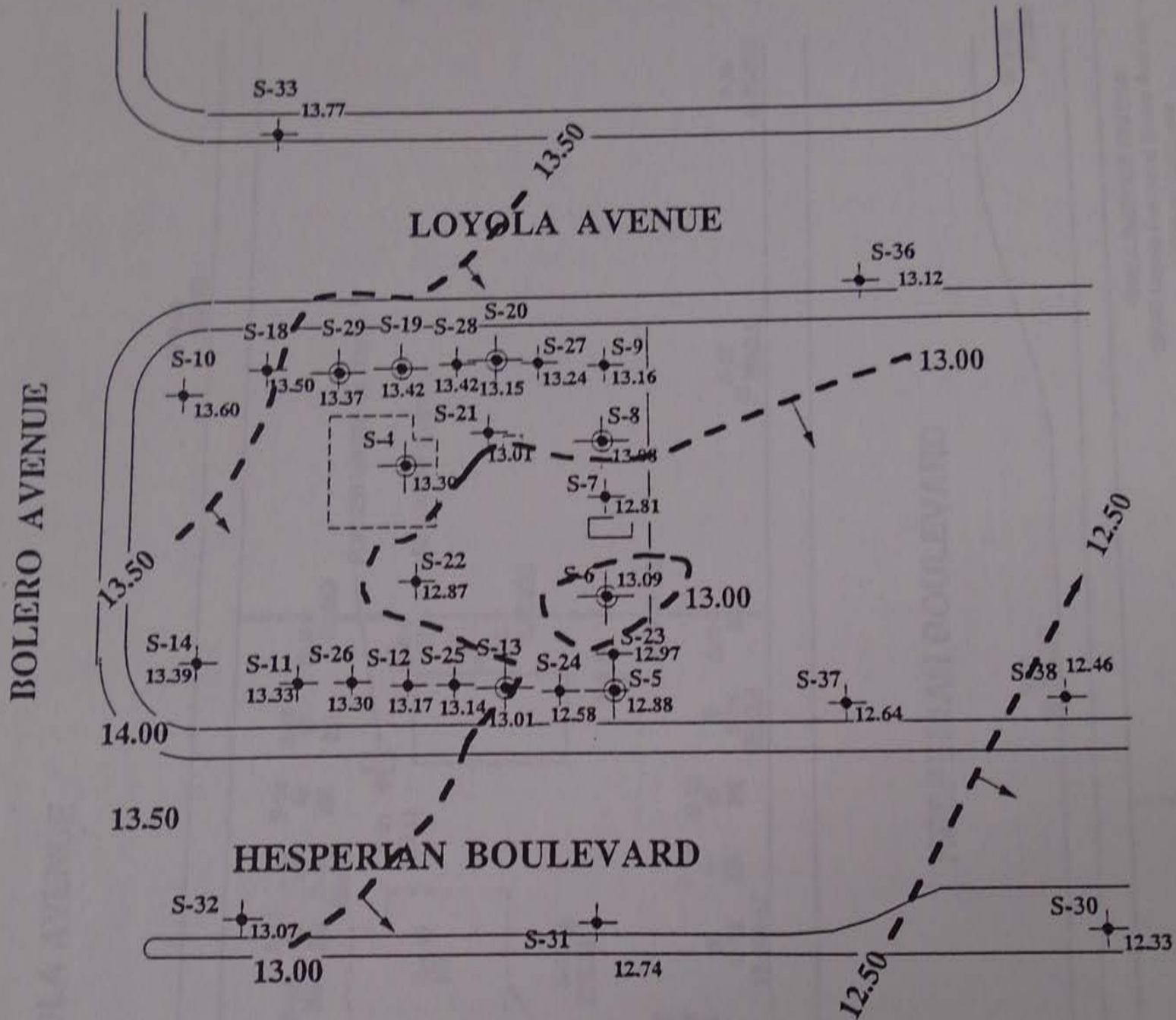
Date: 1-15-96



### EXPLANATION

- Groundwater Monitoring Well
- Groundwater Extraction Well
- 13.00 Groundwater Elevation Contour  
Approximate Hydraulic Gradient = 0.04.

Note: Water levels measured on August 18, 1995



Base map taken from Pacific Environmental Group site plan.

PLATE

3

### GROUNDWATER CONTOUR MAP

Former Shell Service Station  
27501 Loyola Avenue  
Hayward, California

**enviros**®

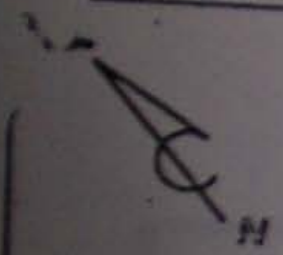
95286

Drawn By: JLP

Date: 6-24-95

Approved By: CJG

Date: 10/13/25

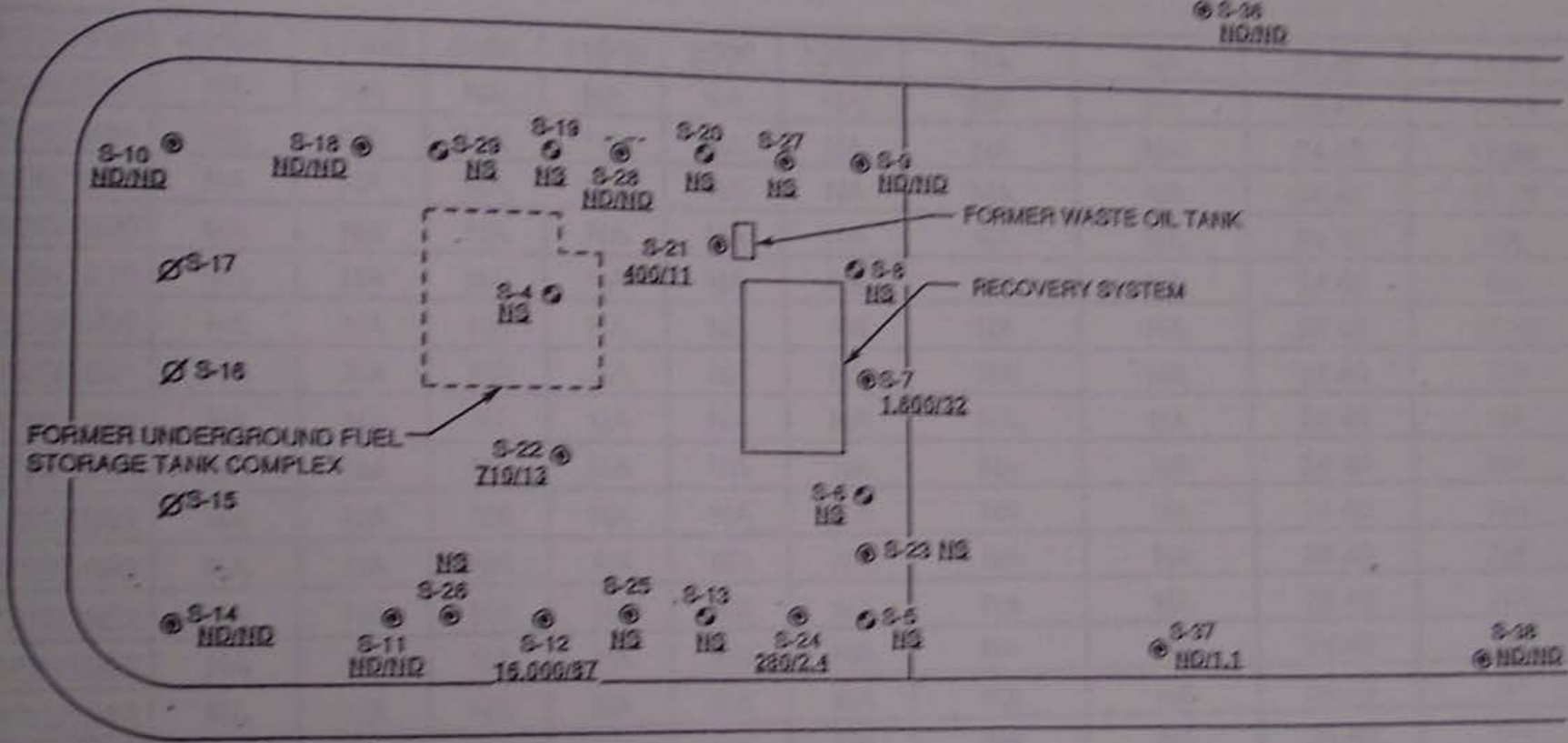


S-33 ND/ND  
S-34  
S-35

LOYOLA AVENUE

S-36 ND/ND

BOLERO AVENUE



LEGEND

- S-11 (circle with dot) GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
- S-13 (circle with dot) GROUNDWATER EXTRACTION WELL LOCATION AND DESIGNATION
- S-35 (circle with slash) ABANDONED GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
- 400/11 TPH-g/BENZENE CONCENTRATION IN GROUNDWATER, IN PARTS PER BILLION, 2-24-86
- NS NOT DETECTED
- NS NOT SAMPLED

HESPERIAN BOULEVARD



S-32 NS

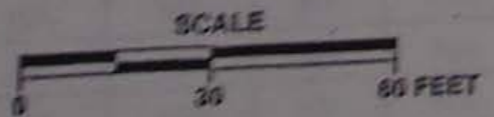
S-31 ND/ND

S-36 ND/ND

REFERENCE: BASE MAP FROM GEOSTRATEGIES, INC.



PACIFIC ENVIRONMENTAL GROUP, INC.



SHELL SERVICE STATION  
27501 Loyola Avenue at Bolero Avenue  
Hayward, California

TPH-g/BENZENE CONCENTRATION MAP

FIGURE 2  
PROJECT: 305-108-28

4/1/86



Winston H. Hickox  
Secretary for  
Environmental  
Protection

# California Regional Water Quality Control Board San Francisco Bay Region



Gray Davis  
Governor

Internet Address: <http://www.swrcb.ca.gov>  
1515 Clay Street, Suite 1400, Oakland, California 94612  
Phone (510) 622-2300 → FAX (510) 622-2460

July 16, 2001  
File No. 2198.17(CTH)  
RB File No. 01-1348

Equiva Services LLC  
Ms. Karen Petryna  
P.O. Box 7869  
Burbank, CA 91510-7869

Subject: Transmittal of the Closure Letter and Summary,  
Former Shell Service Station at 27501 Loyola Avenue, Hayward, CA

Dear Ms. Petryna:

Attached please find the uniform underground storage tank closure letter and the site summary form for the subject site.

Please contact Chuck Headlee of my staff at (510) 622-2433 or [cth@rb2.swrcb.ca.gov](mailto:cth@rb2.swrcb.ca.gov) if you have any questions regarding this matter.

Sincerely,

Loretta K. Barsamian  
Executive Officer

Stephen A. Hill  
Chief, Toxics Cleanup Division

Enclosure: Closure Letter  
Site Closure Summary

cc: Hugh J. Murphy, Hayward Fire Department  
Hazardous Materials Division  
777 B Street  
Hayward, CA 94541

Allan Patton & Steve Mizera, SWRCB  
Division of Clean Waters Programs  
1001 I Street  
Sacramento, CA 98512

01-1348 tra



# California Regional Water Quality Control Board

## San Francisco Bay Region



Gray Davis  
Governor

Winston H. Hickox  
Secretary for  
Environmental  
Protection

Internet Address: <http://www.swrcb.ca.gov>  
1515 Clay Street, Suite 1400, Oakland, California 94612  
Phone (510) 622-2300 • FAX (510) 622-2460

July 16, 2001  
File No. 2198.17(CTH)  
RB File No. 01-1348

Equiva Services LLC  
Ms. Karen Petryna  
P.O. Box 7869  
Burbank, CA 91510-7869

RECEIVED BY  
FIRE PREVENTION OFFICE

JUL 23 2001

HAYWARD FIRE DEPARTMENT

Subject: Closure Letter for Former Shell Service Station at  
27501 Loyola Avenue, Hayward, CA

Dear Ms. Petryna:

This letter confirms the completion of site investigation and remedial action for the underground storage tank(s) formerly located at the above mentioned location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank(s) are greatly appreciated.

Based on the information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground tank release is required.

This notice is issued pursuant to a regulation contained in Section 2721(e) of Title 23 of the California Code of Regulations.

Please contact our office if you have any questions regarding this matter.

Sincerely,

Loretta K. Barsamian  
Executive Officer

01-1348.cis

**SITE CLOSURE SUMMARY**

**DRAFT**

**I. AGENCY INFORMATION**

Date: April 3, 2001

Agency Name:	S.F.B.R.W.Q.C.B.	Address:	1515 Clay Street, Suite 1400
City/State/Zip:	Oakland, CA 94612	Phone:	(510) 622-2433
Responsible Staff Person:	Chuck Headlee	Title:	Engineering Geologist

**II. SITE INFORMATION**

Site Facility Name: Former Shell Service Station		
Site Facility Address: 27501 Loyola Avenue, Hayward, CA 94545		
RB File No.:	01-1348	Local or LOP Case No.:
URF Filing Date:	SWEEPS No.: 01-003-003239	
Responsible Parties (include addresses and phone numbers)		
Equiva Services LLC		
P.O. Box 7869		
Burbank, CA 91501-7869		
Contact: Karen Petryna / Tel.: (559) 645-9306		

Tank No.	Size in Gallons	Contents	Installed/Removed or Closed	Date
1	8,000	Gasoline u/l	Ins. 1970/	
2	5,000	Gasoline reg	Ins 1958/Rem. 8/2/84	
3	5,000	Gasoline reg	Ins. 1958/ Rem. 8/2/84	
4	5,000	Gasoline u/l	Ins. 1958/ Rem. 8/2/84	
5	550	Waste Oil	Ins. 1958/ Rem. 8/2/84	
6	8,000	Gasoline u/l	Ins. 1973/	
7	8,000	Gasoline reg	Ins. 1974/	
8	550	Waste Oil	Ins 1969/	
9	?????	Gasoline prem	Ins. 1969/ Closed 1974?	
10	1,000	Product Recovery	Ins. 1985/ Rem. 1993	
1	Unknown	Gasoline	Removed	1983/1984
2	Unknown	Gasoline	Removed	1983/1984
3	Unknown	Gasoline	Removed	1983/1984
4	Unknown	Gasoline	Removed	1983/1984
5	Unknown	Waste oil	Removed	
6	1,000 gal.	Product Recovery	Removed	Dec. 1993

June 11, 2001

Mr. Joe Neely  
Cambria Environmental Technology, Inc.  
270 Perkins Street  
Sonoma, CA 95476

Subject: Geophysical Investigation  
Former Shell Service Station  
Hayward, California

Dear Mr. Neely:

This letter presents the findings of the geophysical investigation performed at a former Shell Service Station located at 27501 Loyola Avenue, Hayward, California. The investigation was conducted on May 24, 2001 by NORCAL Geophysicist David Bissiri. Mr. Gino Mammini of Cambria Environmental Technology assisted with the field work.

#### **SITE DESCRIPTION**

The former service station property is an open vacant lot bounded by Hesperian Boulevard on the west; Bolero Avenue on the north; and Loyola Avenue on the east (see Plate 1). The area of investigation is an approximately 145- by 105-foot rectangular portion of the property. The area is surrounded by a chain-link fence and is covered with a moderate amount of knee-high vegetation. Numerous extraction system vaults and monitoring wells also exist on the site.

#### **PURPOSE**

The purpose of the geophysical investigation is to determine if underground storage tanks (UST's), or other notable subsurface features exist within the area of investigation.

#### **METHODOLOGY**

We performed the geophysical investigation using the vertical magnetic gradient (VMG) and metal detection (MD) methods. The VMG method is used to determine the location of anomalous magnetic areas that suggest the existence of buried ferrous objects. The MD method is used to further characterize the anomalous VMG areas. Detailed descriptions of these methods, the geophysical instrumentation, data analysis, and limitations are provided in Appendix A.

#### **FIELD PROCEDURES and DATA ACQUISITION**

The first task undertaken at the site was to visually inspect the area for evidence of UST's such as fill ports, vent lines, and turbine boxes. Next, we established a survey grid consisting of north-south traverses spaced 5 feet apart, along which were distributed data stations at 5-foot intervals. We then performed the VMG survey using this grid as a guide. Following the VMG data acquisition we up-loaded the data to a field computer and processed them on-site to produce a preliminary VMG contour map. This map was then analyzed to determine the locations of VMG anomalies suggestive of buried metallic objects. The VMG data were later processed again in





NORCAL's Petaluma office to produce the final contour map. A detailed discussion of contour maps and their interpretation is presented in Appendix A.

Following our preliminary analysis of the VMG data, we performed an MD survey over significant VMG anomalies. We also performed a MD survey in areas that could not be investigated with the VMG (e.g. within approximately five feet of the chain-link fence). Our final task was to mark the locations of suspected buried objects and plot their location on a scale drawing (site map).

## RESULTS

The results of the geophysical investigation are illustrated on the site map shown on Plate 1. The VMG data is presented as the VMG contour map shown on Plate 2. Plate 1 depicts the following pertinent features: the chain-link fence surrounding the survey area; the limits of the survey area itself; the "footprint" of a former building and small concrete pad; the extraction system vaults and wells (that we were seen in the field); and the location of significant VMG anomalies. In addition to the VMG data contours, Plate 2 also shows the survey limits, vaults, wells, and VMG anomalies.

Our preliminary visual inspection of the site did not reveal any evidence of UST's. However, our interpretation of the VMG contour map does resolve four (4) notable VMG anomalies. These four anomalies are depicted as the blue shaded areas labeled A through D. A detailed discussion of the results is below.

The VMG contour map shown on Plate 2 exhibits numerous areas or "zones" where there are closely spaced and highly contorted VMG contours. These closely spaced contours indicate the presence of notable amounts of ferrous material. Most of these zones coincide with known above ground objects such as fences, extraction vaults, and monitoring wells. However, there are four (4) areas where anomalous VMG values can not be attributed to known objects.

These areas, or VMG anomalies, are depicted on Plates 1 and 2 as the shaded blue areas labeled "A" through "D". The largest and most notable anomaly, Anomaly A, is located in the north-central portion of the survey area. While this anomaly has the general magnitude and lateral extent that could be associated with a small UST (i.e. a 550 gallon tank) it lacks the paired positive and negative contour lobes, or dipolar nature, of a VMG anomaly that are typically associated with UST's. Our follow-up MD survey of Anomaly A did not produce any significant instrument response. This suggests the source of VMG Anomaly A is either of very limited lateral extent (too small to be a UST) or is buried too deep (~> 5 ft.) to be detected by the MD.

It is our interpretation, based on our experience at similar sites, that the VMG and MD responses at Anomaly A are not caused by a UST. We believe it is more likely that Anomaly A is caused by a large piece of buried metallic debris such as a fence post, column support, etc. By comparison, the remaining VMG Anomalies B, C, and D have even less magnitude and lateral extent than Anomaly A. Furthermore, the follow-up MD investigation of these anomalies likewise produced little instrument response. Therefore, we believe that Anomalies B through D are probably caused by relatively small pieces of metallic debris.

It should be noted that the magnetic gradient is very steep in the vicinity of the chain-link fence, extraction vaults and monitoring wells. These steep gradients could mask the magnetic fields of other objects buried nearby, causing them to remain undetected. Therefore, the possibility of undetected buried objects near the above ground objects can not be ruled out.

### LIMITATIONS

Not all buried objects or features can be detected or characterized by the geophysical methods used for this investigation. In general, there are limitations unique to each geophysical method. These limitations include maximum depths of investigation, minimum size of target, etc. In addition, the detection capabilities of each method relies on a significant contrast in physical properties between background soils and the object or feature of interest. Also, different geophysical instruments respond differently to interference from above or below ground cultural features such as utilities, fences, and debris. These features can limit the effective detection of other objects/features in their immediate vicinity. More detailed discussions of the limitations with regard to the geophysical methods employed for this investigation are presented in Appendix A.

### STANDARD CARE AND WARRANTY

The scope of NORCAL's services for this project consisted of using geophysical methods to characterize the shallow subsurface. The accuracy of our findings is subject to specific site conditions and limitations inherent to the techniques used. The services were performed in a manner consistent with the level of skill ordinarily exercised by members of the profession currently employing similar methods. No warranty, with respect to the services or products delivered under this agreement, expressed or implied, is made by NORCAL.

We appreciate having the opportunity to provide you with our services.

Respectfully,

NORCAL Geophysical Consultants, Inc.



David Bissiri  
Geophysicist GP-1009

DJB/WEB/jm

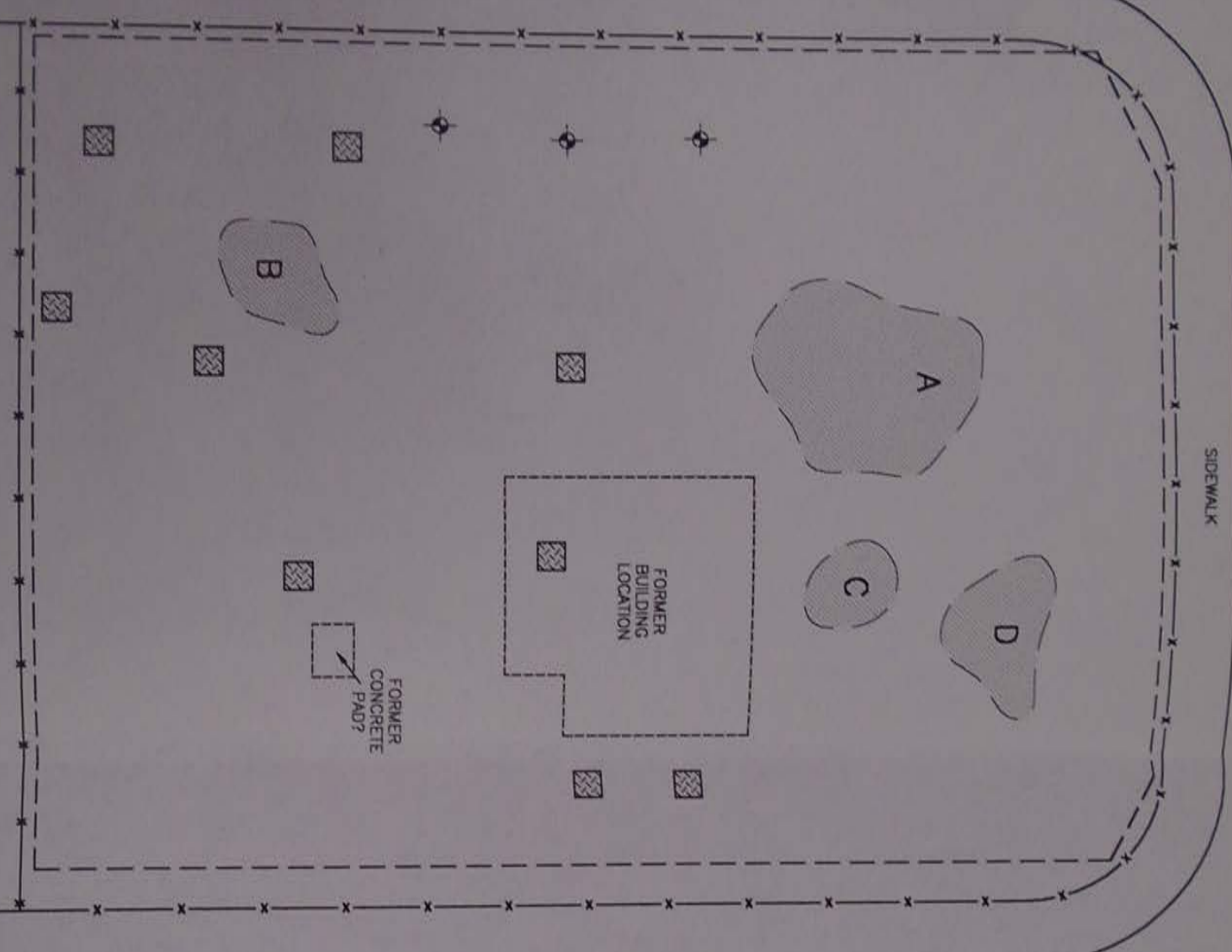
Enclosures: Plate 1 - Site Map  
Plate 2 - VMG Contour Map

Appendix A GEOPHYSICAL METHODS, INSTRUMENTATION, DATA ANALYSIS, and LIMITATIONS

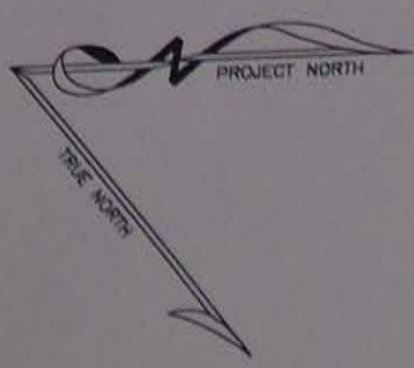
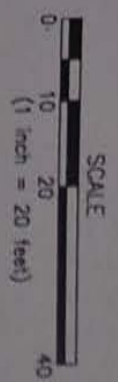
HESPERIAN BOULEVARD

BOLERO AVENUE

SIDEWALK



LOYOLA AVENUE



LEGEND

---	LIMITS OF GEOPHYSICAL SURVEY
-x-	CHAIN-LINK FENCE
○	VWC ANOMALY
⊠	EXTRACTION SYSTEM VAULT
⊕	MONITORING WELL

NOTE: MAP ADAPTED FROM SITE MAP PROVIDED BY CAMBRIA

**NORCAL**  
 LOCATION: HAYWARD, CALIFORNIA  
 CLIENT: CAMBRIA  
 NORCAL GEOPHYSICAL CONSULTANTS INC.  
 OSAMU BR. SANDOZ  
 APPROVED BY: DJB

**27501 LOYOLA AVENUE**  
**SITE MAP**

JOB #: 01-46206  
 DATE: MAY 2000

PL

C A M B R I A



To: Danilo Galang  
 Company: Hayward Fire Department  
 Address: 777 B Street  
 Hayward, California 94541  
 Phone:

From: Joe Neely  
 Phone: 707-933-2361  
 Date: 27-Jun-01  
 Re: Fmr Shell, 27501 Loyola Ave, Hayward

# Transmittal

Enclosed is the revised Site Closure Summary for the above referenced site. Please review at your earliest convenience, as the property owner is anxious to develop the property.

Please call me if you have any questions

RECEIVED BY  
 FIRE PREVENTION OFFICE  
 JUN 29 2001  
 HAYWARD FIRE DEPARTMENT

Sub No.	Site or Facility	Location	Compliance Status	Remarks
1	1000	Industrial Facility	Installed 1000-gallon tank	1000
2	1000	Industrial Facility	Installed 1000-gallon tank	1000
3	1000	Industrial Facility	Installed 1000-gallon tank	1000
4	1000	Industrial Facility	Installed 1000-gallon tank	1000
5	1000	Industrial Facility	Installed 1000-gallon tank	1000
6	1000	Industrial Facility	Installed 1000-gallon tank	1000
7	1000	Industrial Facility	Installed 1000-gallon tank	1000
8	1000	Industrial Facility	Installed 1000-gallon tank	1000
9	1000	Industrial Facility	Installed 1000-gallon tank	1000
10	1000	Industrial Facility	Installed 1000-gallon tank	1000

cc: Karen Petryna, Equiva Services LLC  
 Steve Saray, Layola LLC (Property Owner)  
 Hugh Murphy, Hayward Fire Department

## SITE CLOSURE SUMMARY

### I. AGENCY INFORMATION

Date: 22-Jun-01

Agency Name: <b>S.F. Bay R.W.Q.C.B.</b>	Address: <b>1515 Clay Street, Suite 1400</b>
City/State/Zip: <b>Oakland, CA 94612</b>	Phone: <b>(510) 622-2300</b>
Responsible Staff Person: <b>Chuck Beidler</b>	Title: <b>Associate Engineering Geologist</b>

### II. SITE INFORMATION

Site Facility Name: <b>Former Shell Service Station</b>		
Site Facility Address: <b>27501 Logola Avenue</b>		
RB LUSTIS Case No.: <b>01-1348</b>	Local or LOP Case No.:	Priority:
URF Filing Date: <b>Unknown</b>	SWEEPS No.: <b>01-003-003239</b>	
Responsible Parties (include addresses and phone numbers)		
<b>Equiva Services LLC</b>		
<b>P.O. Box 7869</b>		
<b>Burbank, CA 91510-7869</b>		
<b>Contact: Karen Petryna / Tel: (559) 645-9306</b>		

Tank No.	Size in Gallons	Contents	Closed In-Place/Removed?	Date
1	8000	Unleaded Gasoline	Installed 1970/Removed Aug 84	8/84
2	5000	Regular Gasoline	Installed 1958/Removed Aug 84	8/84
3	5000	Regular Gasoline	Installed 1958/Removed Aug 84	8/84
4	5000	Unleaded Gasoline	Installed 1958/Removed Aug 84	8/84
5	Unknown	Waste Oil	Installed 1958/Removed Aug 84	8/84
6	8000	Unleaded Gasoline	Installed 1969/Removed- Unk	Unknown
7	8000	Regular Gasoline	Installed 1969/Removed- Unk	Unknown
8	550	Waste Oil	Installed 1969/Removed- Unk	Unknown
9	Unknown	Premium Gasoline	Installed 1969/Removed- Unk	Unknown
10	1000	Product Recovery	Installed 1985/Removed 1993	1993

### III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: <b>Unknown</b>			
Site characterization complete?	<b>Yes</b>	Date Approved By Oversight Agency: <b>May 21, 1999</b>	
Monitoring wells installed?	<b>Yes</b>	Number: <b>35</b>	Proper screened interval? <b>Yes</b>
Highest GW Depth Below Ground Surface: <b>7.73'</b>	Lowest Depth: <b>15.27'</b>	Flow Direction: <b>S/SE</b>	
Most Sensitive Current Use: <b>None</b>			
Most Sensitive Potential Use and Probability of Use: <b>None Known</b>			
Are drinking water wells affected?	<b>No</b>	Aquifer Name: <b>Unknown</b>	
Is surface water affected?	<b>No</b>	Nearest/Affected SW Name: <b>NA</b>	
Off-Site Beneficial Use Impacts (Addresses/Locations): <b>Data indicates offsite uses not affected</b>			
Report(s) on file?	<b>Yes</b>	Where is report(s) filed? <b>SFBay RWQCB &amp; Hayward Fire</b>	

#### TREATMENT AND DISPOSAL OF AFFECTED MATERIAL

Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tank	10 tanks ranging in size from 550 to 8,000 - gallons	9 tanks removed and disposed of at unknown facility. 1-1,000-gallon tank removed and disposed of at Erickson Inc., Richmond, CA	5 tanks in 1984, other 4 unknown date, 1 tank in 1993
Piping	Unknown	Removed and disposed of at unknown facility	Unknown
Free Product	Approximately 848 lbs	Removed by groundwater extraction system. Disposal facility unknown	1985 - 1994
Soil	Unknown	Disposal Facility unknown	Unknown
Groundwater	15,623,280 gallons	Groundwater extraction system pumped and treated groundwater. Water disposed of in sanitary sewer per POTW discharge permit.	1985 - 1994
Barrels	None	NA	NA

#### MAXIMUM DOCUMENTED POLLUTANT CONCENTRATIONS—BEFORE AND AFTER CLEANUP

POLLUTANT	Soil (ppm)		Water (ppb)		POLLUTANT	Soil (ppm)		Water (ppb)	
	Before	After	Before	After		Before	After	Before	After
TPH (Gas)	ND	ND	SPH	980	Xylene	ND	NA	SPH	130
TPH (Diesel)	NA	ND	NA	NA	Ethylbenzene	ND	NA	SPH	49
Benzene	ND	ND	SPH	68	Oil & Grease	NA	NA	NA	NA
Toluene	ND	ND	SPH	15	Heavy Metals	NA	NA	NA	NA
MTBE	NA	NA	10	ND	Other				

Comments (Depth of Remediation, etc.): 15,623,280 gallons of water were extracted by a groundwater extraction and treatment system over a period of 9 years (5/85 through 3/94) to remove hydrocarbons from groundwater. SVE testing in 1994 removed 36.80 lbs. of TPHg and 0.21 lbs. of benzene. No separate phase hydrocarbon (SPH) has been detected in monitoring wells since 1/91. Concentrations of hydrocarbons in groundwater monitoring wells at the site continue to show decreasing trends suggesting natural attenuation processes are working.

**IV. CLOSURE**

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan?			Yes
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan?			Yes
Does corrective action protect public health for current land use?			Yes
Site Management Requirements: Residual impacted soil or groundwater disturbed or removed during future development activities must be properly managed and disposed of.			
Monitoring Wells Decommissioned: Yes		Number Decommissioned: 6	Number Retained: 33
List Enforcement Actions Taken: None			
List Enforcement Actions Rescinded: None			

**V. TECHNICAL REPORTS, CORRESPONDENCE ETC., THAT THIS CLOSURE RECOMMENDATION WAS BASED UPON**

Title:	See attached list of correspondences and reports	Date:

VI. ADDITIONAL COMMENTS, DATA, ETC.

PLEASE INCLUDE/ATTACH THE FOLLOWING AS APPROPRIATE:

- 1) SITE MAP INDICATING TANK PIT LOCATION, MONITORING WELL LOCATION, GROUNDWATER GRADIENT, ETC.; AND,
- 2) SITE COMMENTS WORTHY OF NOTICE (E.G., AREA OF RESIDUAL POLLUTION LEFT IN PLACE, DEED NOTICES ETC.)

Based on RWQCB criteria, the subject site can be classified as a low-risk site. Groundwater is shallow, no water supply wells are screened within the shallow groundwater zone, and no surface water features or sensitive habitats have been affected by the release at this site. Historical groundwater data indicate that source removal has been effective and that the plume is shrinking. Residual hydrocarbons in groundwater are expected to continue to undergo natural attenuation processes.


A recent *Human Health Risk Assessment* prepared for this site (May 10, 2001) concluded the property was suitable for residential development. The SF Bay RWQCB reviewed this report and concurred with this conclusion in their June 13, 2001 letter.

Geophysical testing performed during May 2001 concluded there are no remaining underground storage tanks buried at this site.

Site maps, logs, groundwater data, etc were submitted with the previous closure request for this site and are therefore not included with this Site Closure Summary.

This document and the related CASE CLOSURE LETTER, shall be retained by the lead agency as part of the official site file.





CITY OF  
**HAYWARD**  
HEART OF THE BAY

May 21, 1999

Ms. Diane M. Lundquist, P. E.  
Cambria Environmental Technology, Inc.  
270 Perkins Street  
P. O. Box 259  
Sonoma, CA 95476

Subject: Former Shell Station --- 27501 Loyola St., Hayward, California  
Your Ref. WIC #204-3336-0300

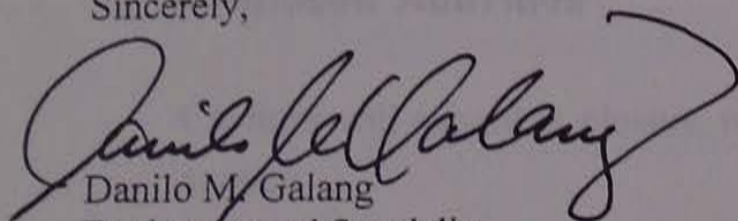
Dear Ms. Lundquist:

At the meeting with Chuck Headlee of the Regional Board yesterday, we referred to him your request for closure for the site captioned above. He agreed that closure could be pursued.

You may proceed to request closure. Prepare the necessary report and the enclosed closure site summary form. (I can e-mail you the form as an MSWord document so that you can enter data directly on it by computer.) In addition to documenting the behavior and status of groundwater at this site, the report should address concentrations of contaminants in soil and the quantity of soil that has been removed. Perhaps a graph of "concentrations (soil or groundwater)" versus "time" will be helpful.

I will be on leave for the next two weeks. If you have any immediate questions, please call my supervisor, Hugh Murphy, at (510) 583-4924. Otherwise, please call me at (510) 583-4925 on or after June 7, 1999.

Sincerely,



Danilo M. Galang  
Environmental Specialist

Encl: a/s

cc: Hugh Murphy, Hazardous Materials Program Coordinator

Karen Petryna  
Equiva Services, L. L. C.  
P. O. Box 6249  
Carson, CA 90749-6249

**FIRE DEPARTMENT**

777 B STREET, HAYWARD, CA 94541-5007

TEL: 510/583-4900 • FAX: 510/583-3640 • TDD: 510/247-3340



April 12, 1994  
Project 0117-109.01

RECEIVED BY  
**HAZARDOUS MATERIALS OFFICE**

APR 18 1994

**HAYWARD FIRE DEPARTMENT**

Mr. D. Lynn Walker  
Shell Oil Company  
P.O. Box 5278  
Concord, California 94520

Re: Underground Product Recovery Tank Removal, Former Shell Oil Company (Shell) Service Station, 27501 Loyola Avenue, Hayward, California (WIC No. 204-3336-0300)

Dear Mr. Walker:

This letter documents the removal of one steel underground product recovery tank at the former Shell service station at 27501 Loyola Avenue, Hayward, California. The site location is shown on Figure 1.

The scope of services provided consisted of observing underground product recovery tank removal, collecting soil samples for analysis, and preparing this report. This report documents tank removal and disposal, soil sampling and analysis methods, analytical results, and conclusions.

## **BACKGROUND**

In July 1984 EMCON Associates (EMCON) drilled two exploratory soil borings (E-1 and E-2) within the underground storage tank complex, and installed one well (E-3) west of the tank complex. In August 1984 the four underground gasoline storage tanks were removed from the site and not replaced. Well E-3 was destroyed during the tank excavation activities. Petroleum hydrocarbon impact to soil and groundwater was detected during both the drilling and tank removal activities.

Several phases of soil and groundwater characterization activities have been conducted at the site since the removal of the tanks. Currently, there are 22 groundwater monitoring wells (S-7, S-9 through S-12, S-14, S-18, S-21 through S-28, S-30 through S-33, and S-36 through S-38), seven recovery wells (S-4 through S-6, S-8, S-13, S-19, and S-20), and one primary recovery well (S-29) at the site. Wells S-15, S-16, S-17, S-34, and S-35 were abandoned on January 31 and February 1, 1993.

A recovery system has been in operation at the site since January 1985. This system was

modified in 1990. Groundwater and free product previously were pumped to a 1,000-gallon underground storage tank. The free product was separated and recycled, and the groundwater discharged to the sanitary sewer consistent with the requirements of the city of Hayward Public Works Department, Water Pollution Source Control. Currently, free product and groundwater are pumped to an aboveground storage tank prior to discharging the water to the sanitary sewer.

## **PRODUCT RECOVERY TANK REMOVAL AND DISPOSAL**

Shell contracted with an outside contractor (Pacific Rim Environmental Services, Inc.) to provide construction services for tank and piping removal and site restoration.

### **Removal, Inspection, and Disposal**

The tank removal contractor started the construction activities on December 15, 1993, by removing the soil from above the 1,000-gallon tank. The excavated soil was stockpiled on plastic pending verification soil sampling. The excavated area was then secured by a fence. EMCON understands that all product piping was flushed and the rinseate drained into the tanks. Product lines were then sealed. The tank's contents were removed and transported to a recycling company.

A representative from the city of Hayward Fire Department was present and observed the tank removal activities. The fire department representative permitted the tank to be removed after the lower explosive limit (LEL) was reduced to a safe concentration. After removal, the tank was visually inspected for holes or damage by an EMCON geologist and the representative from the fire department. No holes or any damage was observed on the tank. After visual inspection, the tank was loaded onto a flat-bed truck and was secured for transportation. The licensed hazardous waste hauler and a representative of the tank removal company signed the manifest before the tank was transported off site. See Appendix A for signed copies of the hazardous waste shipping manifest and the disposal certificate.

Soils encountered during excavation activities consisted of silty sand fill materials to a depth of approximately 4.5 feet belowground surface, underlain by native sandy clay. No staining of soils or odors was noted when excavating.

### **Soil Sampling**

An EMCON geologist collected soil samples consistent with the guidelines provided in the document entitled *Regional Board Staff Recommendations for Initial Evaluation and Investigation of Underground Tanks* (August 10, 1990). The soil samples were collected under the direction of the city of Hayward Fire Department.

Two soil samples, EX-1 and EX-2, were collected from the bottom ends of the product recovery tank excavation at approximately 5 feet below grade. A backhoe bucket was used to remove soil from the excavation so that the soil could be sampled by the EMCON geologist. The sample was collected by pushing a stainless steel liner into the excavated native soil in the backhoe bucket. The liner was sealed with Teflon™ tape and polypropylene end caps, labeled, and delivered to a Mobil-approved, state certified analytical laboratory, with chain-of-custody records and a soils analysis request sheet.

In addition, four samples were collected of the stockpiled soil from the product recovery tank excavation. These samples were collected by following the same procedures as were used to collect the excavation soil sample. The four soil samples were composited by the analytical laboratory and designated ST-A through ST-D.

### **ANALYTICAL METHODS**

Soil samples collected from the product recovery tank excavation and stockpiled soils were submitted to a Shell-approved, state certified analytical laboratory and analyzed for total petroleum hydrocarbons (TPH) as gasoline; benzene, toluene, ethylbenzene, and total xylenes (BTEX); and total lead.

### **Analytical Results**

Certified analytical reports and chain-of-custody records are included in Appendix B.

Analysis of the product recovery tank excavation verification soil samples (EX-1 and EX-2) indicated no detectable concentrations of TPH as gasoline or BTEX; however, analysis did indicate 9.3 milligrams per kilogram (mg/kg) and 9.8 mg/kg of total lead, respectively, in soil samples EX-1 and EX-2.

Analysis of the stockpiled soil composite sample (ST-A through ST-D) indicated no detectable concentrations of TPHG or BTEX; however, analysis did indicate 0.066 mg/kg of total lead.

### **DISCUSSION**

Analyses of the product recovery tank excavation verification soil samples indicated no detectable concentrations of petroleum hydrocarbons. Therefore, it appears that no further action is warranted concerning the former product recovery tank.

Analysis of the stockpiled soil sample also indicated no detectable concentrations of petroleum hydrocarbons. Therefore, stockpiled soils were spread over the site. The tank excavation was backfilled with clean pea gravel.

Mr. D. Lynn Walker  
April 12, 1994  
Page 4

## CONCLUSIONS

Results of this investigation indicate that soils beneath the former underground product recovery tank have not been impacted by petroleum hydrocarbons.

## STATEMENT OF LIMITATIONS

The services described in this report were performed consistent with generally accepted professional consulting principles and practices. No other warranty, express or implied, is made. These services were performed consistent with our agreement with our client. This report is solely for the use and information of our client unless otherwise noted. Any reliance on this report by a third party is at such party's sole risk.

Opinions and recommendations contained in this report apply to conditions existing when services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. We do not warrant the accuracy of information supplied by others, nor the use of segregated portions of this report.

The purpose of a geologic study is to reasonably characterize existing site conditions based on the geology of the area. In performing such a study, it is understood that a balance must be struck between a reasonable inquiry into the site conditions and an exhaustive analysis of each conceivable environmental characteristic. The following paragraphs discuss the assumptions and parameters under which such an opinion is rendered.

No investigation is thorough enough to describe all geologic conditions of interest at a given site. If conditions have not been identified during the study, such a finding should not therefore be construed as a guarantee of the absence of such conditions at the site, but rather as the result of the services performed within the scope, limitations, and cost of the work performed.

We are unable to report on or accurately predict events that may change the site conditions after the described services are performed, whether occurring naturally or caused by external forces. We assume no responsibility for conditions we were not authorized to evaluate, or conditions not generally recognized as predictable when services were performed.

Geologic conditions may exist at the site that cannot be identified solely by visual observation. Where subsurface exploratory work was performed, our professional opinions are based in part on interpretation of data from discrete sampling locations that may not represent actual conditions at unsampled locations.

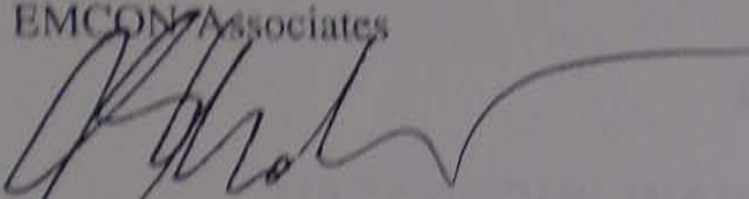
Mr. D. Lynn Walker  
April 12, 1994  
Page 5

Project 0117-109.01


Thank you for this opportunity to be of service. Please call if you have any questions.

Very truly yours,

EMCON Associates



Charles S. Metzinger  
Program Manager



J.C. Isham  
Geology Manager  
C.E.G. 1321

Attachments: Figure 1 Site Location Map  
Figure 2 Site Plan  
Appendix A Hazardous Waste Shipping Manifest and Product Recovery Tank  
Disposal Certificate  
Appendix B Certified Analytical Reports and Chain-of-Custody Records

cc: Hugh Murphy, City of Hayward Fire Department  
Wyman Hong, Alameda County Zone 7 Water Agency  
Lester Feldman, Regional Water Quality Control Board, San Francisco Bay Region

83626

State of California - Environmental Protection Agency  
Form Approved OMB No. 2060-0089 (Expires 6-30-94)

See instructions on back of page 6.

Department of Toxic Substances Control  
Hazardous Waste Manifest

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802. WITHIN CALIFORNIA, CALL 1-800-852-7550

92041841

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address		SHELL OIL COMPANY HAZARDOUS WASTE DEPT. P.O. BOX 4848 ANNEHIM, CA 92803			
4. Generator's Phone (714) 520-3312		6. US EPA ID Number C A 0 9 4 2 2 4 4 8 0			
5. Transporter 1 Company Name CROSBY & OVERTON, INC.		8. US EPA ID Number			
7. Transporter 2 Company Name		10. US EPA ID Number C A 0 9 4 6 6 2 9 2			
9. Designated Facility Name and Site Address ERICKSON, INC. 255 PARR BLVD. RICHMOND, CA 94801		12. Containers No. Type		13. Total Quantity	
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) NON-FLAM HAZARDOUS WASTE		2 0 1 - B		200	
1. Additional Descriptions for Materials Listed Above IDENTITY TAGS ON 200 GALS DRUMS/STEL STEPS					
13. Special Handling Instructions and Additional Information AVOID CONTACT WITH SKIN/EYES 24 HOUR EMERGENCY PHONE NUMBER (800) 424-2300					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable federal, state and international laws.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.		Signature Deborah Watts		Date 12/15/93	
17. Transporter 1 Acknowledgment of Receipt of Materials		Signature Colenn Heidwieser		Date 12/15/93	
18. Transporter 2 Acknowledgment of Receipt of Materials		Signature		Date	
19. Discrepancy Indication Space					
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.		Signature DAVID SOTO		Date 12/15/93	

804 33360300+3982 RM

DO NOT WRITE BELOW THIS LINE.

State of California - Environmental Protection Agency  
Form Approved OMB No. 2050-0029 (Expires 9-30-94)  
Please print or type. Form designed for use on a/e (12-pick) typewriter.

See Instructions on back of page 6.

Department of Toxic Substances Control  
Sacramento, California

### UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **CAL000122375** Manifest Document No. **22613** 2. Page **1** of **1**

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address  
**SHELL OIL COMPANY  
HAZARDOUS WASTE DEPT.  
P.O. BOX 4848  
ANAHEIM, CA 92802**

4. Generator's Phone **(714) 529-3512**

5. Transporter 1 Company Name  
**CROSBY & OVERTON, INC.**

6. US EPA ID Number  
**020990524486**

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address  
**ROMIC ENVIRONMENTAL  
2081 BAY ROAD  
EAST PALO ALTO, CA 94303**

10. US EPA ID Number  
**040305452657**

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit Wt/Vol
	No.	Type		
<b>TETRAETHYL LEAD, 3, UN1993, I (D001), (D008), (D015)</b>	<b>3</b>	<b>TT</b>	<b>20350</b>	<b>G</b>
b.				
c.				
d.				

15. Special Handling Instructions and Additional Information  
**AVOID CONTACT WITH EYES/SKIN  
24 HOUR EMERGENCY PHONE NUMBER (200) 424-9300  
FLAMMABLE PLACARD REF UN1993 PROFILE #019319**

**FACILITY'S  
SERVICE STATION  
27501 LOYOLA/BULERO  
HAYWARD, CA. 94545**

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable federal, state and international laws.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: **Mike Porter** Signature: *[Signature]* ON BEHALF OF: **SHELL OIL CO.** Month: **12** Day: **15** Year: **93**

17. Transporter 1 Acknowledgement of Receipt of Materials  
Printed/Typed Name: **Red [Signature]** Signature: *[Signature]* Month: **12** Day: **15** Year: **93**

18. Transporter 2 Acknowledgement of Receipt of Materials  
Printed/Typed Name: Signature: Month: Day: Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.  
Printed/Typed Name: **MIKE Porter** Signature: *Mike Porter* Month: **12** Day: **15** Year: **93**

DO NOT WRITE BELOW THIS LINE.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802. WITHIN CALIFORNIA, CALL 1-800-852-7550



DAY OR NIGHT  
TELEPHONE  
(510) 235-1393

# CERTIFICATE CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

PAGE .002

## NO. 21957

CUSTOMER	SHELL
JOB NO.	83626

FOR: Erickson, Inc. TANK NO. 12695

LOCATION: Richmond DATE: 12/28/93 TIME: 10:29:36

TEST METHOD Visual Gastech/1314 SMPN LAST PRODUCT UG

This is to certify that I have personally determined that this tank is in accordance with the American Petroleum Institute and have found the condition to be in accordance with its assigned designation. This certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

TANK SIZE 1000 Gallon Tank CONDITION SAFE FOR FIRE

REMARKS: OXYGEN 20.9%  
LOWER EXPLOSIVE LIMIT LESS THAN 0.1%

"ERICKSON INC. HEREBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN  
CUT OPEN, PROCESSED, AND THEREFORE DESTROYED AT OUR PERMITTED HAZARDOUS  
WASTE FACILITY."

In the event of any physical or atmospheric changes affecting the gas-free conditions of the above tanks, or if in any doubt, immediately stop all hot work and contact the undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.

### STANDARD SAFETY DESIGNATION

**SAFE FOR MEN:** Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume; and that (b) Toxic materials in the atmosphere are within permissible concentrations; and (c) In the judgment of the Inspector, the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Inspector's certificate.

**SAFE FOR FIRE:** Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit; and that (b) In the judgment of the Inspector, the residues are not capable of producing a higher concentration that permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.

The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued.

REPRESENTATIVE

TITLE

INSPECTOR



# SEQUOIA ANALYTICAL

319 Striker Avenue, Suite 8 • Sacramento, CA 95834  
(916) 921-9600 • FAX (916) 921-0100

EMCON Associates  
1433 N. Market Blvd.  
Sacramento, CA 95834  
Attention: Harold R. Duke

Client Project ID: Shell Oil, 27501 Laysa Ave., Hayward  
Sample Matrix: Soil  
Analysis Method: EPA 5030/8015/8020  
First Sample #: 312-0641

Sampled: Dec 15, 1993  
Received: Dec 15, 1993  
Reported: Dec 22, 1993

## TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit mg/kg	Sample I.D. 312-0641 EX-1	Sample I.D. 312-0642 EX-2	Sample I.D. 312-0643 ST(ABCO)
Purgeable Hydrocarbons	1.0	N.D.	N.D.	N.D.
Benzene	0.005	N.D.	N.D.	N.D.
Toluene	0.005	N.D.	N.D.	N.D.
Ethyl Benzene	0.005	N.D.	N.D.	N.D.
Total Xylenes	0.005	N.D.	N.D.	N.D.
Chromatogram Pattern:		--	--	--

### Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0	1.0
Date Analyzed:	12/20/93	12/20/93	12/20/93
Instrument Identification:	HP1	HP1	HP1
Surrogate Recovery, %: (QC Limits = 70-130%)	94	82	75

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.  
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL

Linda C. Schneider  
Project Manager





# SEQUOIA ANALYTICAL

319 Striker Avenue, Suite 8 • Sacramento, CA 95834  
(916) 921-9600 • FAX (916) 921-0100

EMCON Associates  
1433 N. Market Blvd.  
Sacramento, CA 95834  
Attention: Harold R. Duke

Client Project ID: Shell Oil, 27501 Loyola Ave., Hayward  
Sample Descript: Soil, ST(ABCD)  
Lab Number: 312-0643

Sampled: Dec 15, 1993  
Received: Dec 15, 1993  
Extracted: Dec 21, 1993  
Reported: Dec 22, 1993

## INORGANIC PERSISTENT AND BIOACCUMULATIVE TOXIC SUBSTANCES

### Soluble Threshold Limit Concentration

Waste Extraction Test

### Total Threshold Limit Concentration

Analyte	STLC Max. Limit (mg/L)	Detection Limit (mg/L)	Analysis Result (mg/L)	TTL Max. Limit (mg/kg)	Detection Limit (mg/kg)	Analysis Result (mg/kg)
Antimony	15	0.10	-	500	5.0	N.D.
Arsenic	5.0	0.10	-	500	5.0	N.D.
<b>Barium</b>	<b>100</b>	<b>0.10</b>	-	<b>10,000</b>	<b>2.5</b>	<b>73</b>
Beryllium	0.75	0.010	-	75	0.50	N.D.
Cadmium	1.0	0.010	-	100	0.50	N.D.
Chromium (VI)	5.0	0.0050	-	500	0.050	-
<b>Chromium (III)</b>	<b>560</b>	<b>0.010</b>	-	<b>2,500</b>	<b>0.50</b>	<b>22</b>
<b>Cobalt</b>	<b>80</b>	<b>0.050</b>	-	<b>8,000</b>	<b>1.5</b>	<b>5.8</b>
<b>Copper</b>	<b>25</b>	<b>0.010</b>	-	<b>2,500</b>	<b>0.50</b>	<b>15</b>
<b>Lead</b>	<b>5.0</b>	<b>0.10</b>	-	<b>1,000</b>	<b>2.5</b>	<b>13</b>
Mercury	0.20	0.00020	-	20	0.010	N.D.
Molybdenum	350	0.050	-	3,500	1.5	N.D.
<b>Nickel</b>	<b>20</b>	<b>0.050</b>	-	<b>2,000</b>	<b>1.5</b>	<b>27</b>
Selenium	1.0	0.10	-	100	5.0	N.D.
Silver	5.0	0.010	-	500	0.50	N.D.
Thallium	7.0	0.10	-	700	5.0	N.D.
<b>Vanadium</b>	<b>24</b>	<b>0.050</b>	-	<b>2,400</b>	<b>1.5</b>	<b>21</b>
<b>Zinc</b>	<b>250</b>	<b>0.010</b>	-	<b>5,000</b>	<b>0.50</b>	<b>47</b>
Asbestos	-	10	-	10,000	100	-
Fluoride	180	0.10	-	18,000	1.0	-

TTL results are reported as mg/kg of wet weight. Asbestos results are reported as fibers/g.  
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

*Linda C. Schneider*  
Linda C. Schneider  
Project Manager



# SEQUOIA ANALYTICAL

819 Striker Avenue, Suite 8 • Sacramento, CA 95834  
(916) 921-9600 • FAX (916) 921-0100

EMCON Associates  
1433 N. Market Blvd.  
Sacramento, CA 95834  
Attention: Harold R. Duke

Client Project ID: Shell Oil, 27501 Loyola Ave., Hayward  
Sample Descript: Soil  
Analysis for: Organic Lead  
First Sample #: 312-0643

Sampled: Dec 15, 1993  
Received: Dec 15, 1993  
Extracted: Dec 22, 1993  
Analyzed: Dec 23, 1993  
Reported: Dec 23, 1993

## LABORATORY ANALYSIS FOR: Organic Lead

Sample Number	Sample Description	Detection Limit mg/kg	Sample Result mg/kg
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312-0643	ST(ABCD)	0.050	0.066
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Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

*Linda C. Schneider*  
Linda C. Schneider  
Project Manager



December 30, 1993

Project 0117-109.01

Mr. Hugh Murphy  
City of Hayward Fire Department  
25151 Clawiter Road  
Hayward, California 94545-27531

Re: Workplan for Well Decommissioning, Hayward Site

Dear Mr. Murphy:

On behalf of Shell Oil Company (Shell), EMCON Associates (EMCON) is pleased to submit this workplan for well decommissioning at the former Shell service station at **27501 Loyola Avenue**, Hayward, California (WIC No. 204-3336-0300). EMCON proposes the following tasks to properly decommission groundwater monitoring wells S-15, S-16, S-17, S-34, and S-35 as identified in the September 9, 1993, letter to Mr. Murphy from GeoStrategies, Inc.

## SCOPE OF WORK

### Task 1. Prefield Activities

The attached Figure 1 shows the approximate locations of the proposed well destructions. EMCON will obtain and complete the appropriate well destruction applications from the Alameda County Flood Control and Water Conservation District. Upon approval from the agency, well destruction permit numbers will be issued. Concurrently, EMCON will also schedule one of the four drilling contractors now under contract with Shell to properly decommission the five wells. EMCON will also prepare a site health and safety plan.

Because two of the five wells (S-34 and S-35) are located on public sidewalks across from the former service station, a city of Hayward encroachment permit must be obtained and a traffic control plan must be submitted concurrently with the encroachment application. EMCON will prepare a traffic control plan and submit it to the city of Hayward for its review and approval. The plan will entail rerouting traffic two ways on Loyola Avenue away from the work areas associated with monitoring wells S-34 and S-35. Warning signs, safety cones, and, if necessary, signal flags will be used to properly divert traffic. Shell's contracted driller will obtain the required traffic safety equipment. The traffic control plan will be implemented the first morning of field activities.



## Task 2. Field Activities-Well Decommissioning

As soon as traffic is properly and safely rerouted around the work area, decommissioning of wells S-34 and S-35 will commence. All drilling and well destruction will be directed by an experienced EMCON geologist supervised by a California-registered geologist. Once protective vault boxes are removed, the wells will be decommissioned by drilling out the cement seal, sandpack, and casing. Wells S-15, S-16, and S-17 are 6 inches in diameter and will be overdrilled with 12-inch-diameter hollow-stem augers. Wells S-34 and S-35 are 3 inches in diameter and will be overdrilled with 8-inch-diameter hollow-stem augers. Drill cuttings will be removed from the borehole work area and placed on visqueen at a designated area of the station. Once annular materials are removed, the borehole will be sealed with cement grout to the surface. After the cement has had time to settle, concrete will be poured to fill the remaining annulus. It is anticipated that approximately 2 cubic yards of cuttings will be generated. The final disposal of this material will be dependent on the analytical results obtained for composite sampling of the soil cuttings.

As part of the well decommissioning process, a composite soil sample will be collected from the stockpiled waste drill cuttings. Four individual brass liners will be filled with soil from four discrete locations around the soil stockpile. At the point of sample collection, approximately 1 foot of overlying soil will be removed and the brass liner will be pushed into the underlying soil. The liner will be removed from the soil, capped with Teflon<sup>®</sup> tape and plastic end caps, labeled, and stored on ice before being transported to a Shell-approved laboratory accompanied by appropriate chain-of-custody documentation.

## Task 3. Analyze Composite Sample

One composite soil sample, obtained from combining the four discrete soil samples, will be analyzed for total petroleum hydrocarbons as gasoline and benzene, toluene, ethylbenzene, and xylenes by U.S. Environmental Protection Agency method 8020 and by methods referenced in the *Leaking Underground Fuel Tank Field Manual* (State Water Resources Control Board, May 1988). The samples will be analyzed by Anamatrix Laboratory, a California state-certified laboratory. Analytical results will determine whether the soil cuttings generated during drilling are hazardous or nonhazardous. EMCON will inform Shell of the results so that they may proceed with appropriate disposal options. For the purpose of estimating costs, analytical and disposal fees have not been incorporated into the estimate.

#### Task 4. Prepare Report

EMCON will prepare a letter report documenting the work performed during well decommissioning and the analytical results of the composite sample. The report will include

- a description of the well destruction techniques used
- a map showing locations of the decommissioned wells
- certified analytical reports and chain-of-custody documentation of the composite soil sample

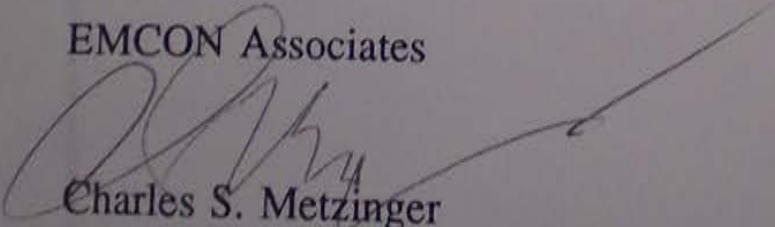
#### SCHEDULE

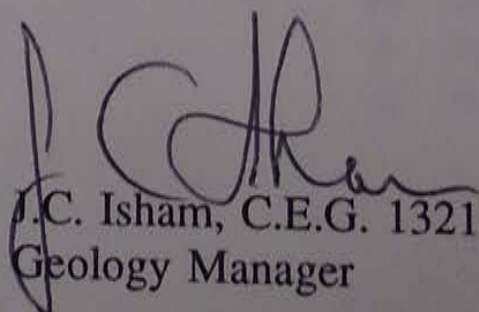
The overall project completion period for tasks 1 through 4 is 7 to 9 weeks. Following approval of this workplan by the city of Hayward Fire Department, EMCON will apply for well and encroachment permits. Because obtaining these permits can take up to 4 weeks, EMCON will not schedule a driller until the permits are received. It is anticipated that once the permits are reviewed, drilling will commence within 2 weeks. EMCON anticipates that abandoning the five groundwater monitoring wells will require 2 to 3 days to complete. Analytical results will be received approximately 2 weeks after the samples have been submitted for chemical analysis. The report documenting well abandonment activities and reporting analytical results will be prepared approximately 4 weeks after receipt of the certified analytical reports.

Please call if you have questions concerning this workplan.

Sincerely,

EMCON Associates

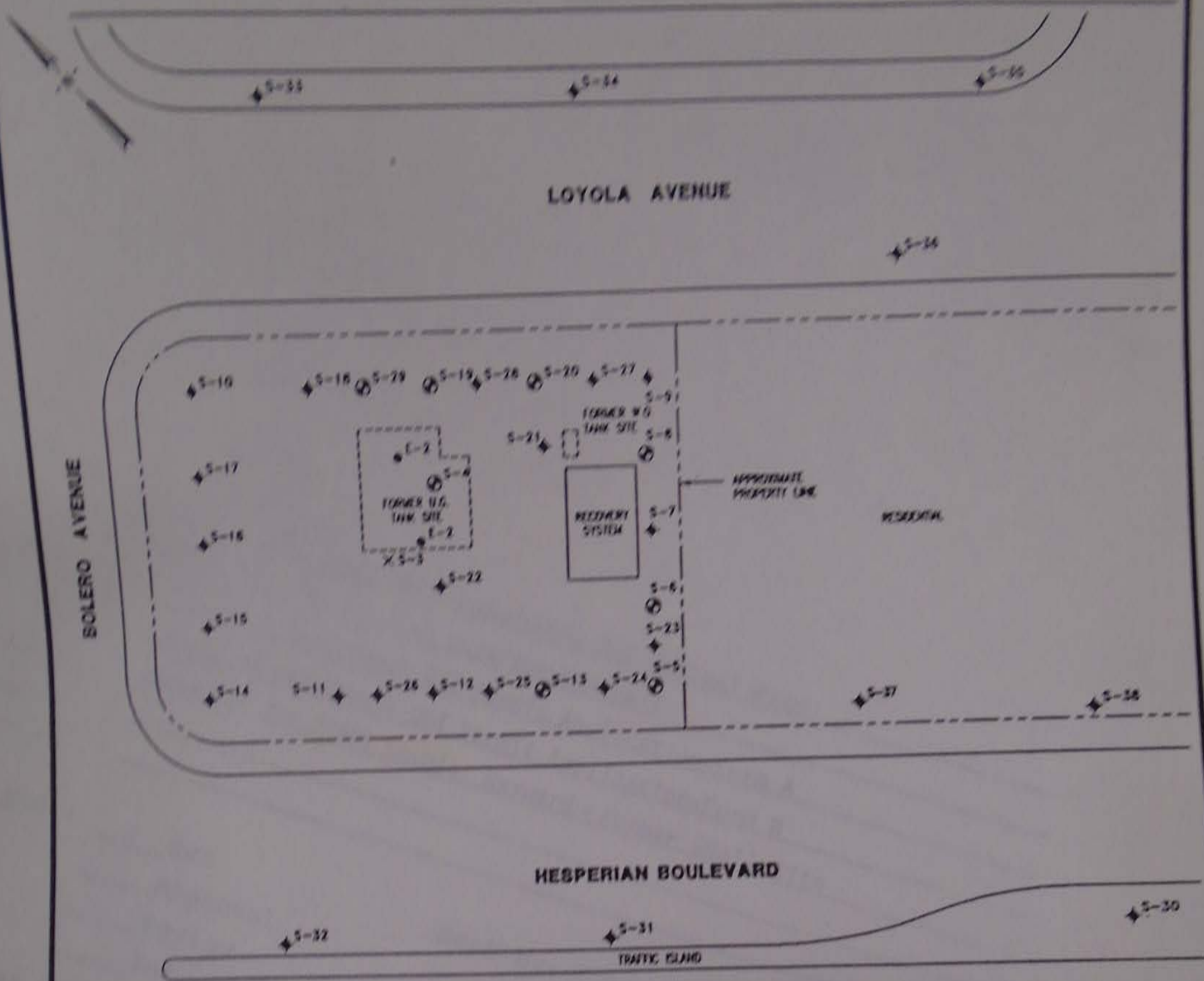
  
Charles S. Metzinger  
Program Manager

  
J.C. Isham, C.E.G. 1321  
Geology Manager

Attachment:      Figure 1      Site Plan

cc:      D. Lynn Walker, Shell Oil Company  
         Lester Feldman, Regional Water Quality Control Board,  
         San Francisco Bay Region





**LEGEND**

- ◆ Groundwater monitoring well
- ⊕ Recovery well
- Soil boring
- ✕ Abandoned groundwater monitoring well

SCALE: 0  40 FEET

Base map from GeoStrategies, Inc.

12/93

**EMCON**  
Associates

SHELL OIL COMPANY  
27501 LOYOLA AVENUE  
HAYWARD, CALIFORNIA

---

SITE PLAN

FIGURE  
**1**  
PROJECT NO.  
0117-109.01



**GeoStrategies Inc.**

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September 16, 1993

City of Hayward Fire Department  
25151 Clawiter Road  
Hayward, California 94545-2731

Attn: Mr. Hugh Murphy

Re: **Former Shell Service Station**  
27501 Loyolla Avenue  
Hayward, California  
WIC #204-3336-0300

Dear Mr. Murphy:

This letter summarizes the issues discussed at the September 7, 1993 meeting regarding the above referenced site. Present at the meeting was:

Mr. Hugh Murphy, City of Hayward Fire Department  
Mr. Lynn Walker, Shell Oil Company  
Mr. John Vargas, GeoStrategies Inc.

Previous to this meeting, a letter to Mr. Murphy was issued by GSI on July 15, 1993 regarding a sampling reduction plan as well as abandonment of five monitoring wells. It was agreed that Wells S-15, S-16, S-17, S-34, and S-35 would be abandoned. The wells will be abandoned by overdrilling and removing the casing, seal and sandpack. The boreholes will then be backfilled with grout. The well locations are shown on Plate 1.

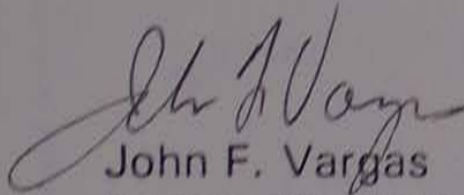
Seventeen wells will be sampled on a quarterly basis beginning the fourth quarter of 1993. These wells are as follows: S-7, S-9 through S-12, S-14, S-18, S-21, S-22, S-24, S-28, S-30, S-31, S-33, and S-36 through S-38. The location of these wells are shown on Plate 2. Eight wells will not be sampled because groundwater extraction pumps are currently installed. These wells are: S-4, S-5, S-6, S-8, S-13, S-19, S-20, and S-19. In addition, the following five wells will not be sampled: S-23, S-25, S-26, S-27, and S-32. Additional well abandonments and/or reductions in sampling may be recommended as warranted.

765550-20

A vapor extraction feasibility test will be tentatively scheduled in the fourth quarter of 1993. This test will be performed to evaluate the feasibility of possibly enhancing the remedial system with vapor extraction. GSI will notify Mr. Murphy of the schedule for well abandonment and the vapor extraction test prior to performing these activities.

If you have any questions, please call.

Sincerely,

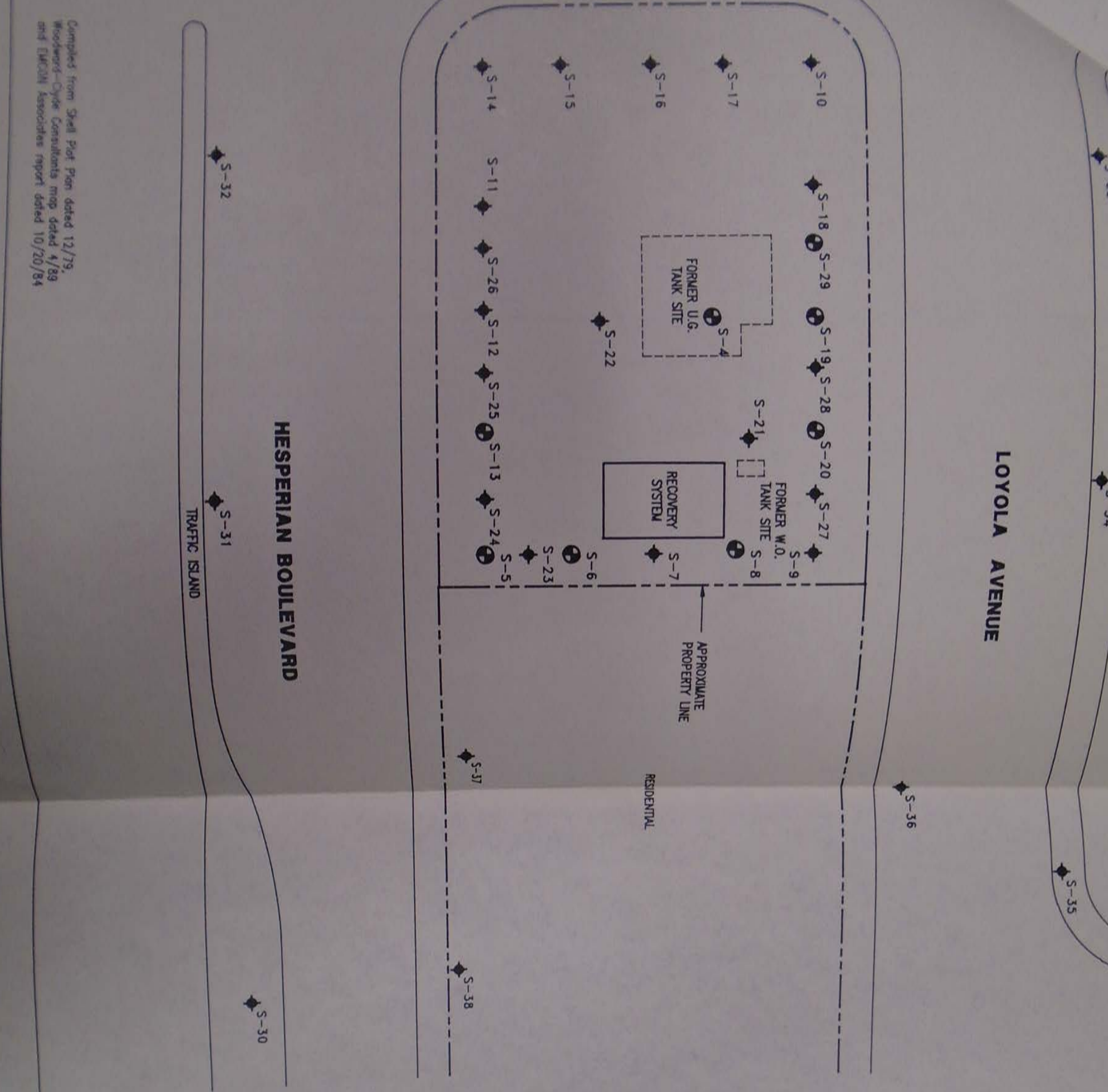


John F. Vargas  
Project Manager

JFV:rt

cc: Mr. Lynn Walker, Shell Oil Company

- EXPLANATION**
- ◆ Groundwater monitoring well
  - ⊕ Recovery well



Compiled from Shell Plot Plan dated 12/79,  
Woodward-Clyde Consultants map dated 4/89  
and ERMCO Associates report dated 10/20/84

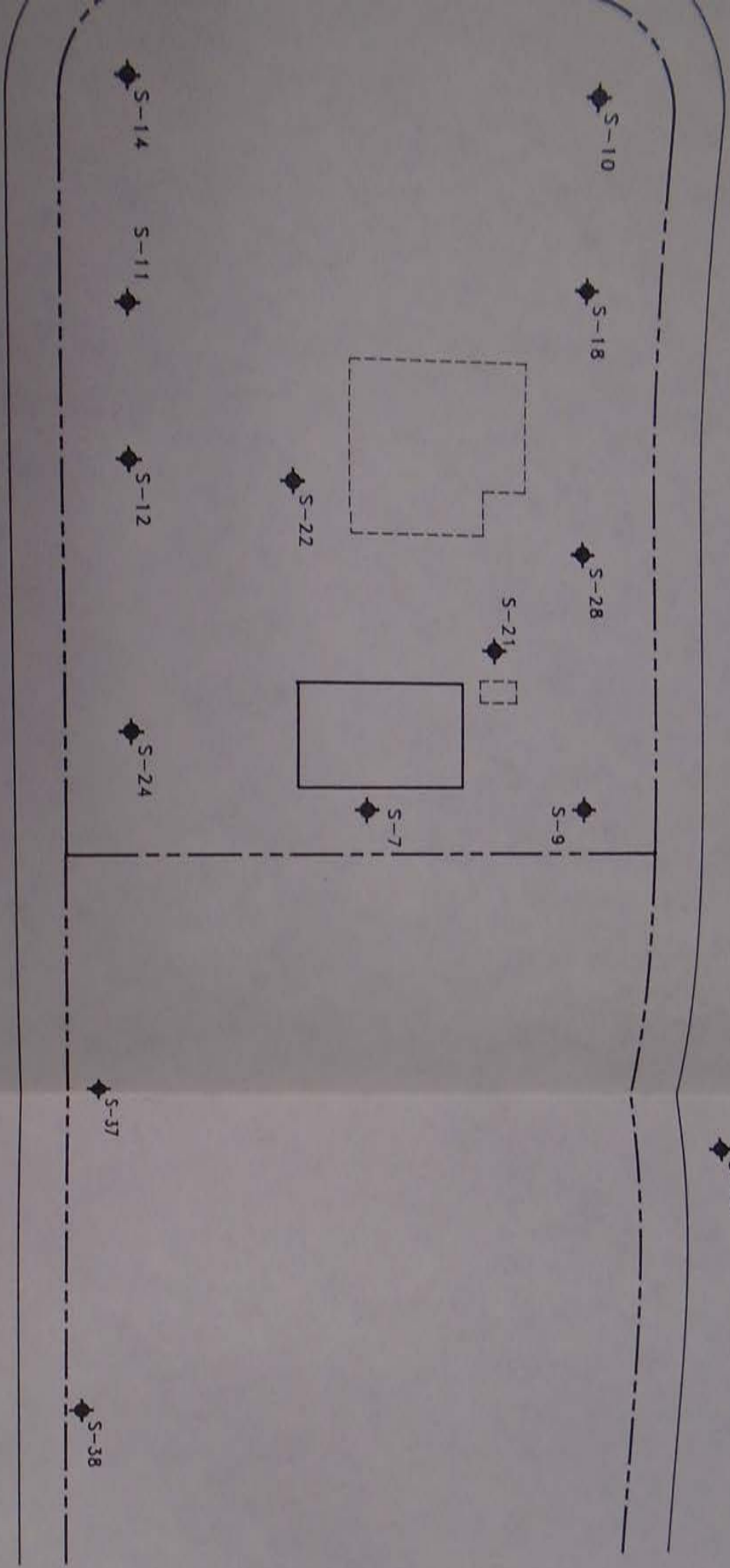


**EXPLANATION**

◆ Groundwater monitoring well to be sampled quarterly

**LOYOLA AVENUE**

**HESPERIAN BOULEVARD**



and from Shell Plat Plan dated 12/79,  
and Clyde Consultants map dated 4/89  
GCON Associates report dated 10/20/84



STATE OF CALIFORNIA  
STATE WATER RESOURCES CONTROL BOARD  
**UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A**



COMPLETE THIS FORM FOR EACH FACILITY/SITE

MARK ONLY ONE ITEM	<input type="checkbox"/> 1 NEW PERMIT <input checked="" type="checkbox"/> 2 INTERIM PERMIT	<input type="checkbox"/> 3 RENEWAL PERMIT <input type="checkbox"/> 4 AMENDED PERMIT	<input type="checkbox"/> 5 CHANGE OF INFORMATION <input type="checkbox"/> 6 TEMPORARY SITE CLOSURE	<input type="checkbox"/> 7 PERMANENTLY CLOSED SITE
-----------------------	-----------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------	----------------------------------------------------

**I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLETED)**

DBA OR FACILITY NAME <b>Shell Service Station</b>		NAME OF OPERATOR <b>Shell Oil Co.</b>	
ADDRESS <b>27501 Loyola Avenue</b>		NEAREST CROSS STREET <b>Bohero Avenue</b>	PARCEL # (OPTIONAL) <b>455 0068 001-00</b>
CITY NAME <b>Hayward</b>		STATE <b>CA</b>	ZIP CODE <b>94520</b>
<input checked="" type="checkbox"/> BOX TO INDICATE <input checked="" type="checkbox"/> CORPORATION <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> LOCAL-AGENCY DISTRICTS* <input type="checkbox"/> COUNTY-AGENCY* <input type="checkbox"/> STATE-AGENCY* <input type="checkbox"/> FEDERAL-AGENCY*		SITE PHONE # WITH AREA CODE <b>NA site is closed</b>	
* If owner of UST is a public agency, complete the following: name of Supervisor of division, section, or office which operates the UST		<input type="checkbox"/> IF INDIAN RESERVATION OR TRUST LANDS # OF TANKS AT SITE <b>1</b> E. P. A. I. D. # (optional)	
TYPE OF BUSINESS <input checked="" type="checkbox"/> 1 GAS STATION <input type="checkbox"/> 2 DISTRIBUTOR <input type="checkbox"/> 3 FARM <input type="checkbox"/> 4 PROCESSOR <input type="checkbox"/> 5 OTHER			

**EMERGENCY CONTACT PERSON (PRIMARY)**

**EMERGENCY CONTACT PERSON (SECONDARY) - optional**

DAYS: NAME (LAST, FIRST) <b>Walker, Lynne</b>		PHONE # WITH AREA CODE <b>510/675-6169</b>	
NIGHTS: NAME (LAST, FIRST)		PHONE # WITH AREA CODE	
DAYS: NAME (LAST, FIRST) <b>Duke, Harold</b>		PHONE # WITH AREA CODE <b>916/928-3300</b>	
NIGHTS: NAME (LAST, FIRST) <b>Same</b>		PHONE # WITH AREA CODE <b>916/729-1687</b>	

**II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)**

NAME <b>Shell Oil Company</b>		CARE OF ADDRESS INFORMATION	
MAILING OR STREET ADDRESS <b>P.O. Box 5278</b>		<input checked="" type="checkbox"/> box to indicate <input checked="" type="checkbox"/> CORPORATION <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> LOCAL-AGENCY <input type="checkbox"/> COUNTY-AGENCY <input type="checkbox"/> STATE-AGENCY <input type="checkbox"/> FEDERAL-AGENCY	
CITY NAME <b>Concord</b>		STATE <b>CA</b>	ZIP CODE <b>94520</b>
		PHONE # WITH AREA CODE <b>510/675-6169</b>	

**III. TANK OWNER INFORMATION - (MUST BE COMPLETED)**

NAME OF OWNER <b>Shell Oil Company</b>		CARE OF ADDRESS INFORMATION	
MAILING OR STREET ADDRESS <b>P.O. Box 5278</b>		<input checked="" type="checkbox"/> box to indicate <input checked="" type="checkbox"/> CORPORATION <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> LOCAL-AGENCY <input type="checkbox"/> COUNTY-AGENCY <input type="checkbox"/> STATE-AGENCY <input type="checkbox"/> FEDERAL-AGENCY	
CITY NAME <b>Concord</b>		STATE <b>CA</b>	ZIP CODE <b>94520</b>
		PHONE # WITH AREA CODE <b>510/675-6169</b>	

**IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER - Call (916) 322-9669 if questions arise.**

TY (TK) HQ **44-~~TKHQ~~74**  
**0000**

**V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COMPLETED) - IDENTIFY THE METHOD(S) USED**

<input checked="" type="checkbox"/> box to indicate <input checked="" type="checkbox"/> 1 SELF-INSURED <input type="checkbox"/> 5 LETTER OF CREDIT	<input type="checkbox"/> 2 GUARANTEE <input type="checkbox"/> 6 EXEMPTION	<input type="checkbox"/> 3 INSURANCE <input type="checkbox"/> 99 OTHER	<input type="checkbox"/> 4 SURETY BOND
----------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------	---------------------------------------------------------------------------	----------------------------------------

**VI. LEGAL NOTIFICATION AND BILLING ADDRESS** Legal notification and billing will be sent to the tank owner unless box I or II is checked.

CHECK ONE BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR LEGAL NOTIFICATIONS AND BILLING: I.  II.  III.

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

OWNER'S NAME (PRINTED & SIGNED) <b>Harold R. Duke Harold Duke - EPCAL as agent for Shell</b>	OWNER'S TITLE <b>Geologist</b>	DATE MONTH/DAY/YEAR <b>12/07/93</b>
-------------------------------------------------------------------------------------------------	-----------------------------------	----------------------------------------

**LOCAL AGENCY USE ONLY**

COUNTY # <b>01</b>	JURISDICTION # <b>003</b>	FACILITY # <b>032390</b>
LOCATION CODE - OPTIONAL	CENSUS TRACT # - OPTIONAL	SUPVISOR - DISTRICT CODE - OPTIONAL

**THIS FORM MUST BE ACCOMPANIED BY AT LEAST (1) OR MORE PERMIT APPLICATION - FORM B, UNLESS THIS IS A CHANGE OF SITE INFORMATION  
OWNER MUST FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS**

STATE OF CALIFORNIA  
STATE WATER RESOURCES CONTROL BOARD  
**UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B**



COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM  1 NEW PERMIT  2 INTERIM PERMIT  3 RENEWAL PERMIT  4 AMENDED PERMIT  5 CHANGE OF INFORMATION  6 TEMPORARY TANK CLOSURE  7 PERMANENTLY CLOSED ON SITE  8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED:

**I. TANK DESCRIPTION** COMPLETE ALL ITEMS -- SPECIFY IF UNKNOWN

A. OWNER'S TANK I.D. # N/A B. MANUFACTURED BY: unknown  
C. DATE INSTALLED (MO/DAY/YEAR) 01/1985 D. TANK CAPACITY IN GALLONS: 550

**II. TANK CONTENTS** IF A-1 IS MARKED, COMPLETE ITEM C.

A.  1 MOTOR VEHICLE FUEL  2 PETROLEUM  3 CHEMICAL PRODUCT  4 OIL  90 EMPTY  95 UNKNOWN  
B.  1 PRODUCT  2 WASTE  
C.  1a REGULAR UNLEADED  1b PREMIUM UNLEADED  2 LEADED  3 DIESEL  4 GASAHOL  5 JET FUEL  6 AVIATION GAS  7 METHANOL  99 OTHER (DESCRIBE IN ITEM D. BELOW)  
D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED C.A.S.#:

**III. TANK CONSTRUCTION** MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM  1 DOUBLE WALL  2 SINGLE WALL  3 SINGLE WALL WITH EXTERIOR LINER  4 SECONDARY CONTAINMENT (VAULTED TANK)  95 UNKNOWN  99 OTHER  
B. TANK MATERIAL (Primary Tank)  1 BARE STEEL  5 CONCRETE  9 BRONZE  2 STAINLESS STEEL  6 POLYVINYL CHLORIDE  10 GALVANIZED STEEL  3 FIBERGLASS  7 ALUMINUM  95 UNKNOWN  4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC  8 100% METHANOL COMPATIBLE W/FRP  99 OTHER  
C. INTERIOR LINING  1 RUBBER LINED  5 GLASS LINING  2 ALKYD LINING  6 UNLINED  3 EPOXY LINING  95 UNKNOWN  4 PHENOLIC LINING  99 OTHER  
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES \_\_\_ NO \_\_\_  
D. CORROSION PROTECTION  1 POLYETHYLENE WRAP  5 CATHODIC PROTECTION  2 COATING  91 NONE  3 VINYL WRAP  95 UNKNOWN  4 FIBERGLASS REINFORCED PLASTIC  99 OTHER  
E. SPILL AND OVERFILL SPILL CONTAINMENT INSTALLED (YEAR) NA OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) NA

**IV. PIPING INFORMATION** CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE A U  1 SUCTION  2 PRESSURE  3 GRAVITY  99 OTHER  
B. CONSTRUCTION A U  1 SINGLE WALL  2 DOUBLE WALL  3 LINED TRENCH  95 UNKNOWN  99 OTHER  
C. MATERIAL AND CORROSION PROTECTION A U  1 BARE STEEL  5 ALUMINUM  9 GALVANIZED STEEL  2 STAINLESS STEEL  6 CONCRETE  10 CATHODIC PROTECTION  3 POLYVINYL CHLORIDE (PVC)  4 FIBERGLASS PIPE  7 STEEL W/ COATING  8 100% METHANOL COMPATIBLE W/FRP  95 UNKNOWN  99 OTHER  
D. LEAK DETECTION  1 AUTOMATIC LINE LEAK DETECTOR  2 LINE TIGHTNESS TESTING  3 INTERSTITIAL MONITORING  99 OTHER None

**V. TANK LEAK DETECTION**

1 VISUAL CHECK  2 INVENTORY RECONCILIATION  3 VADOZE MONITORING  4 AUTOMATIC TANK GAUGING  5 GROUND WATER MONITORING  6 TANK TESTING  7 INTERSTITIAL MONITORING  91 NONE  95 UNKNOWN  99 OTHER

**VI. TANK CLOSURE INFORMATION**

1. ESTIMATED DATE LAST USED (MO/DAY/YR) 2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING 0 GALLONS 3. WAS TANK FILLED WITH INERT MATERIAL? YES  NO

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE) Harold R. Duke - Fyrkon Assoc. as agent for Shell DATE 12/07/93

LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.# COUNTY # JURISDICTION # FACILITY # TANK #  
01 003 032390 10  
PERMIT NUMBER PERMIT APPROVED BY/DATE PERMIT EXPIRATION DATE

FORM B (7-91) THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.

-- FIRE INSPECTION --

BUSINESS (S) File # 1232 Status OPEN APN Lot Tract  
 HFD Business Name SHELL OIL COMPANY  
 Address 27501 LOYOLA AV, HAYWARD, CA  
 Construction and Tenant Improvement  
 Fire Dept Application # 9169 Date Received 12/09/1993 By LT  
 Building Permit # Valuation  
 Desc of Work EXCAVATE AND REMOVE ONE 550-GALLON UNDERGROUND FUEL STORAGE TANK  
 New? Repair? Addition? Alteration? Other Y  
 LOCATION: Soil Condition Phone (415) 255-0860  
 CONTRACTOR: Name PACIFIC RIM ENVIRONMENTAL CLASS # A, HAZ City Lic #  
 State Lic # 649163 Company GOLDEN EAGLE INS.CO.  
 WORKMANS COMP: Policy # NWC183579-01 # of Stories Total Height  
 OCCUPANCY: OCGP/Div Const Type 2nd Total  
 Lot Area Main Build: 1st  
 Annual Permit?  
 FEES: 100-1922-4428 Amt 460 100- - Amt Total

[RMS LIVE System] [PRC/Public Mgmt. Services]  
 --> 1=CHARACT 2=DETAIL 3=NAMES 4=PERMITS 5=HAZARD 6=REFERRAL

**STATUS OF PLANS**

DATE	STATUS	ISSUED TO/ PERSON NOTIFIED	BY (HFD PERSONNEL)	REASON/COMMENT
12/9/93	Per Packet	D. Galang	Lt Travis	For review

Final Inspection of Project Completed On: 12/15/93

By:  Fire Prevention: \_\_\_\_\_  
 Haz-Mat: SWARDENGC

Fees Due	Date Paid	Account Number
\$ 460	12/9/93	100-1922-44

Route to Building Department (New Construction/Tenant Improvement)  
 (file this original tracking form with facility's file; file one copy in construction logbook for the year.)

Suggestions for form: \_\_\_\_\_



UNDERGROUND STORAGE TANK REMOVAL/CLOSURE  
CHECKLIST AND FIELD REPORT

ADDRESS: 27501 LOYOLA ST.

FACILITY NAME: FORMERLY SHELL OIL CO.

NUMBER OF TANKS/CAPACITIES: 1x 550 gal free product recovery tank (Gasoline)

A. CLOSURE PLAN	YES	NO	COMMENTS
0. Date Received noted?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Permit Number noted?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Amount Paid correct?	<input type="checkbox"/>	<input type="checkbox"/>	<u>CO.D. ✓ Recd. 12/13/93 JS</u>
1. Facility data complete?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>EPA ID # CAL000122376</u>
2. Property Owner data complete?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3. Consultant data complete?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4. Contractor data complete?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Contractor's License Type Suitable?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Contractor's License valid?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Haz-Substance Certification?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Hayward Business Lic. valid?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>TBO. 114809</u>
Workers' Comp. valid?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5. Project Manager identified?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
6. Reason for closure given?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Proposed date for removal?			<u>12-13-93</u> <u>13:00</u>
Drawing attached?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Attachment 4 completed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>N/A</u>
BAAQMD notified?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Inerting method acceptable?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
LEL equipment given?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
7. Sampling protocol acceptable?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Sampling map attached?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>TBD in Field</u>
Pipings disposal acceptable?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

	YES	NO	COMMENTS
Sampling summary complete?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Sampler identified?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Analytical Lab identified?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Analytical Lab certified?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
8. Tank hauler identified?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Tank T/DF identified?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Product/Rinsate hauler identified?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Product/Rinsate T/DF identified?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Soil hauler identified?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Soil T/DF Identified?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
9. Certification signed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Certification dated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
10. Are all pages initialed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
11. SWEEPS Forms complete?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
12. Is Plan approved?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	w/ modifications #5
WHO REVIEWED THE PLAN?			SWARDENSKI

B. NOTIFICATION

1. Scheduled Removal Date: 9:00 AM 12/15/93

Scheduled Removal Time: \_\_\_\_\_

2. Notice Received (Date) \_\_\_\_\_

(Time) \_\_\_\_\_

Notice Given By (Name) \_\_\_\_\_

C. FIELD REPORT

1. Time Arrived on Site: 9:15 AM

Contact Person on Site: Bud Duke, Matt Cronin

(SKETCH EXCAVATION SITE ON SEPARATE PAGE.)

2. Fire extinguisher adequate?  ( ) \_\_\_\_\_

No Smoking signs posted?  ( ) on Bldg

	YES	NO	COMMENTS
3. Hauling vehicle as listed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Casey generator 9/94
Vehicle has valid required sticker?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	9/94 414041
4. % LEL Reading(s):			2-3%

(NOTE: In the following, include obvious signs of contamination like color, odors, deterioration, moisture content.)

- Describe the tank(s) after removal: SUS tank wrapped, wrapping peeled over ~1/2 of tank; some scaling over exposed steel areas but no obvious failures in body or at seams.
- Describe the excavation after tank removal: Some staining @ E end of tank pit @ pt where product recovery lines entered
- Describe the pipes after removal: NO piping removed, should be included in work plan to Abandon wells and extraction system - MR. DUKE & MR. Cronin unfamiliar w/ system layout

	YES	NO	COMMENTS
8. Is soil sampling procedure acceptable?	<input type="checkbox"/>	<input type="checkbox"/>	
How many soil samples taken?			2 From excavation
(NOTE SAMPLING SPOTS ON DIAGRAM.)			
Is there groundwater in the excavation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Groundwater sample taken?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	N/A
Groundwater sampling protocol acceptable?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	N/A

9. Excavation backfilled? ( ) ( ) \_\_\_\_\_

Describe backfilling: \_\_\_\_\_

\_\_\_\_\_

10. If not backfilled, describe safety precautions taken around excavation:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

11. Soil stockpile lined/covered?

YES NO  
(/ ) ( )

covered

\_\_\_\_\_

12. Contact reminded about report due in 30 days?

(/ ) ( )

\_\_\_\_\_

13. If leak is confirmed or suspected, was contact given "Underground Storage Tank Unauthorized Release (Leak) / Contamination Site Report"?

( ) (/ )

If yes, was the need for this form explained?

( ) (/ )

14. Time tanks were hauled off-site: 1104

Time operation completed/called off: 1110

15. Other Comments: UST is 2100, maybe 1500 gal - increase # of samples

Not ready @ 930, left site; manifest: raise 92047846; tank: 92047847

12/15/93  
Date of Removal

SWARDONSKI  
Hazardous Materials Investigator

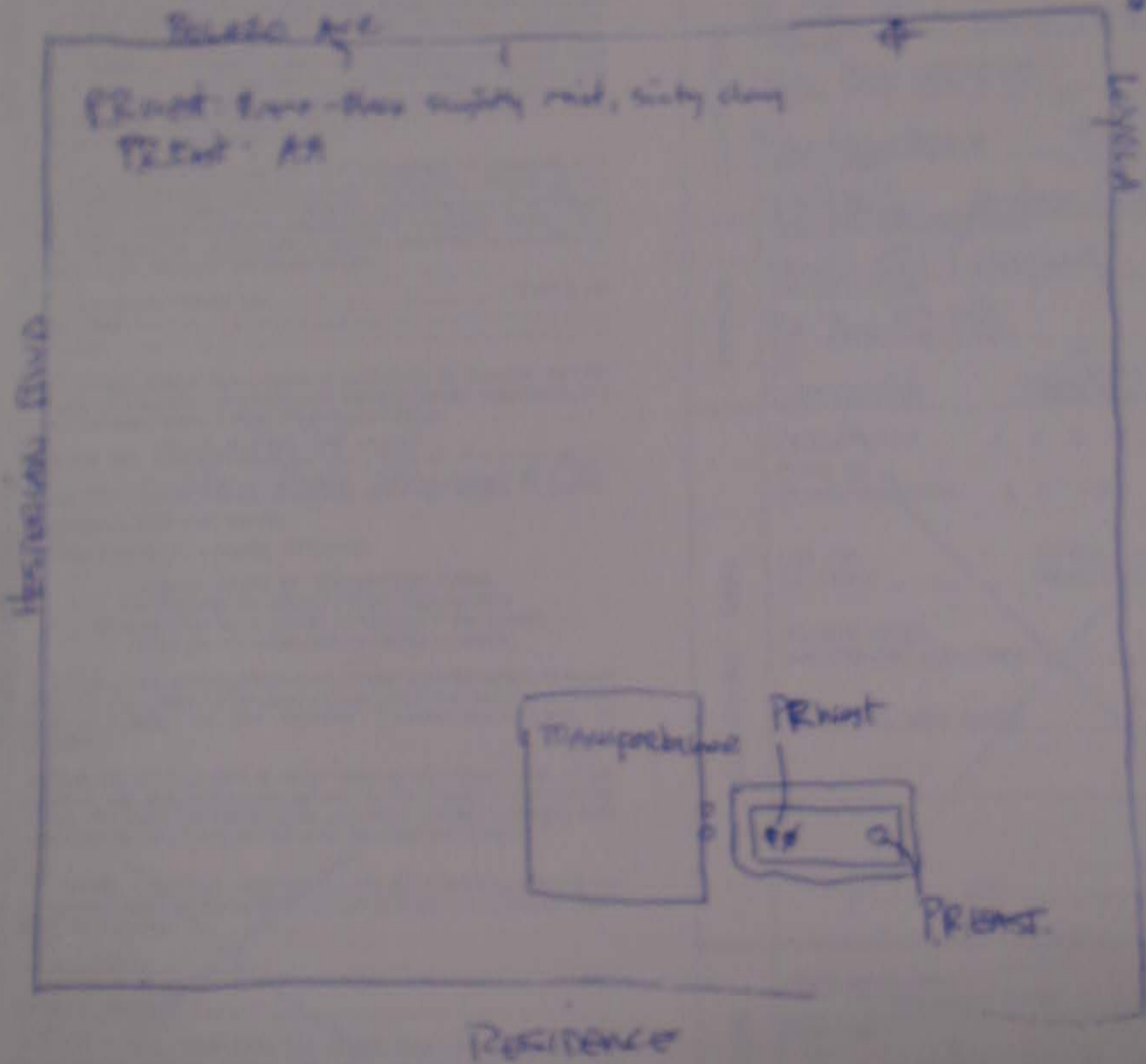
Site Mapping

- Sketch area of excavation.
- Dimensions of excavation.
- Exact location of excavation. (i.e. Distances from building or other stationary features).
- Location of samples.
- If any damage to tank/pipes noted, sketch detailed location of pipes and fittings.



- ⊕ Hydrant
- Fire/stand
- ⊗ present input
- ⊘ vent

P2 - present secondary tank



FACILITY NAME: FORMER SHELL SITE

FACILITY ADDRESS 27501 LOYOLA AVE

# APPLICATION FOR FIRE DEPARTMENT PERMIT

CITY OF HAYWARD FIRE DEPARTMENT - FIRE PREVENTION DIVISION

25151 CLAWITER RD. HAYWARD, CA 94545-2731 (415) 293-8627

HAZARDOUS MATERIALS OFFICE

DEC 09 1993

PERMIT NUMBER

FD 009169

APPLICATION RECEIVED

DATE 12/9/93

BY S. Davis

HAYWARD FIRE DEPARTMENT

**CONTRACTOR**  
 I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code: Any city or county which requires a permit to construction, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 commencing with Section 7000 of Division 3 of the Business and Professions Code) or that is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by an applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars (\$500).

**OWNER/BUILDER**  
 I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for each project with a contractor(s) license pursuant to the Contractor's License Law).

I am exempt under Sec. \_\_\_\_\_, B.&P.C. for this reason \_\_\_\_\_

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Labor Code).

POLICY NO. NWC183579-01  
 COMPANY Golden Eagle Insurance Co.

Copy is filed with the city.  
 Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE  
 (This section need not be completed if the permit is for one hundred dollars (\$100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code).

Lender's Name \_\_\_\_\_  
 Lender's Address \_\_\_\_\_

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Harold Duke (Empcon) as agent for Shell 12/07/93  
 Signature of Applicant or Agent \_\_\_\_\_ Date \_\_\_\_\_

VALUATION —

FIRE PREVENTION # 460

AN CHECKING FEE 100-1922-4428

COUNT NO. \_\_\_\_\_

OG. PERMIT NO. \_\_\_\_\_

**JOB LOCATION**  
 JOB ADDRESS: 27501 Loyola, Hayward, CA  
 LOT \_\_\_\_\_ TRACT \_\_\_\_\_ ASSESSOR'S NO. 455 0068 001-00  
 CONDITION OF SOIL AT JOB SITE  
 ORIGINAL  COMPACTED FULL  LOOSE FILL  
 NO. OF EXISTING BUILDINGS ON LOT AND USE: none

**CONTRACTOR**  
 NAME: Pacific Rim Environmental  
 ADDRESS: P.O. Box 192972  
 CITY: San Francisco ZIP: 94119 TELEPHONE: 415/255-0860  
 STATE LICENSE: 649163 CLASS NO.: A-Gen. Contr. CITY LICENSE NO.: 114809

**OWNER**  
 NAME (OR NAME OF BUSINESS): Shell Oil Company  
 MAILING ADDRESS: P.O. Box 5278  
 CITY: Concord ZIP: 94520 TELEPHONE: 510/675-6169

**OCCUPANCY - AREA**  
 OCCUPANCY: A B E H I M R Div.  
 TYPE OF CONSTRUCTION: I II IIIIN., 1-Hr., H.T. IVN., 1-Hr. V  
 NO. OF STORIES \_\_\_\_\_ TOTAL HEIGHT \_\_\_\_\_ AREA OF LOT \_\_\_\_\_  
 FLOOR AREA MAIN BLDG. (1st Floor) \_\_\_\_\_ (2nd Floor) \_\_\_\_\_  
 TOTAL FLOOR AREA \_\_\_\_\_  
 APP. \_\_\_\_\_ APP. \_\_\_\_\_

**PROPOSED WORK**  
 WORK TO BE DONE:  NEW  ALTER  MOVE  DEMOLISH  
 ADD  REPAIR  
 DESCRIBE: Excavate and remove one 550-gallon underground fuel storage tank

THIS IS YOUR RECEIPT WHEN MACHINE VALIDATED

BOLERO AVENUE

LOYOLA AVENUE

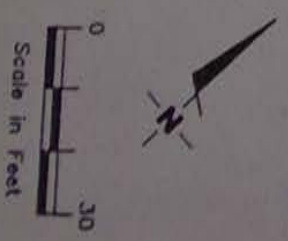
HESPERIAN BOULEVARD

TRAFFIC ISLAND

550 gallon  
Free product (gasoline)  
recovery  
UST

- EXPLANATION**
- ◆ Ground-water monitoring well
  - ⊕ Recovery well
  - Soil boring
  - X Abandoned ground-water monitoring well

Completed from Shell Prod. from dated 12/79.  
Revised-Cycle Geotechnical map dated 4/89  
with Section 10000000 report dated 10/20/84



GeoStrategies Inc.

**SITE PLAN**  
Former Shell Service Station  
27501 Loyola Avenue  
Hayward, California

PLATE  
**2**

OR NUMBER  
765501

REVIEWED BY  
*Eul*

DATE  
4/92

REVISED DATE



GeoStrategies Inc.

October 25, 1993

Shell Oil Company  
P.O. Box 5278  
Concord, California 94520

Attn: Mr. Lynn Walker

Re: **RECOVERY SYSTEM EVALUATION REPORT**  
Former Shell Service Station  
27501 Loyola Avenue  
Hayward, California  
WIC #204-3336-0300

Mr. Walker:

This Recovery System Evaluation Report has been prepared by GeoStrategies Inc. (GSI), and describes the hydraulic and chemical performance of the groundwater remediation system at the above referenced location (Plate 1) for the third quarter of 1993.

**REMEDIATION PROGRESS SUMMARY**

Progress towards site remediation is summarized in the table below.

	Total Volume Recovered (gallons)	
	Third Quarter 1993	Cumulative
Dissolved TPH-G <sup>1</sup>	0.059	9.50
Separate-phase Product	0	487.75
<b>TOTAL</b>	<b>0.059</b>	<b>497.25</b>

- <sup>1</sup> Dissolved TPH-G = Total Petroleum Hydrocarbons calculated as Gasoline recovered due to groundwater extraction.
- <sup>2</sup> Estimated free product recovered by manual bailing and/or pumping as documented in Gettler-Ryan field logs.

765501-20



## EXECUTIVE SUMMARY

A summary of activities and findings associated with the 1993 third quarter system evaluation are presented below:

- Benzene was not detected (ND) in 8 of the 16 wells sampled during the third quarter.
- The dissolved hydrocarbon plume is approximately defined and appears to be primarily confined to the Shell property.
- Groundwater containing dissolved hydrocarbons was pumped through the recovery system at an average rate of 8,777 gallons per day, or 6.09 gallons per minute (gpm).
- Separate-phase product was not detected in any wells this quarter.
- Recovery system effluent was analyzed for Total Petroleum Hydrocarbons calculated as Gasoline (TPH-G) and Benzene, Toluene, Ethylbenzene and Xylenes (BTEX). Concentrations found in the effluent were within POTW permit requirements.
- No measurable volume of separate-phase hydrocarbons was recovered by the pumping system this quarter.
- A cumulative total of 497.25 gallons of dissolved hydrocarbons and separate-phase hydrocarbons have been recovered to date.

## **SITE DESCRIPTION**

There are currently 27 monitoring wells (S-7, S-9 through S-12, S-14 through S-18, S-21, S-23 through S-28, and S-30 through S-38), seven secondary recovery wells (S-4, S-5, S-6, S-8, S-13, S-19 and S-20) and one primary recovery well (S-29) at the site (Plate 2). These wells were installed between 1984 and 1989 by EMCON Associates, Woodward-Clyde Consultants and GSI. Well S-3 was abandoned in 1984. The well locations and other site structures are shown on Plate 2.

Groundwater is pumped to an on-site recovery system and separate-phase product is pumped to an underground product storage tank. The recovery system was activated in May 1985 and modified in 1990. A process flow diagram is included in Plate 3.

## **HYDRAULIC MONITORING**

Depth-to-water measurements were obtained by the sampling contractor in each monitoring well prior to sampling. Static groundwater levels were measured from the surveyed top of each well box and recorded to the nearest  $\pm 0.01$  foot. Water-level data were referenced to Mean Sea Level (MSL) datum and are presented in Table 1. Quarterly monitoring data are included in Appendix A.

The water level map (Plate 4) indicates that current pumping from the pumping system has affected shallow groundwater flow across most of the site. Also, during the pumping of these wells, separate-phase hydrocarbons were not recovered or observed in any of the wells this quarter.

## **CHEMICAL MONITORING**

Blaine Tech Services Inc. sampled Wells S-9, S-10, S-14, S-18, S-21 through S-23, S-27, S-28, and S-30 through S-33, and S-36 through S-38 on August 24, 1993. Wells S-7, S-11, S-12, S-24 through S-26 were sampled on August 25, 1993. Groundwater samples were submitted for analysis at Anametrix, Inc., a State-certified environmental laboratory located in San Jose, California. The groundwater samples were analyzed for TPH-G according to EPA Method 8015 (Modified), and benzene, toluene, ethylbenzene, and xylenes (BTEX) according to EPA Method 8020 (Modified).

Chemical analytical data are summarized and included with the historical chemical analytical data presented in Table 2. Benzene data are plotted on Plate 5. Laboratory analytical data and the Chain-of-Custody form are contained in Appendix A. Eight wells were reported as ND for benzene during the third quarter, 1993. Wells S-9, S-10, S-11, S-14, S-18, S-21, S-22, S-23 through S-26, S-28, S-33, and S-37 contained benzene concentrations ranging from 1.4 parts per billion (ppb) to 67 ppb.

## **RECOVERY SYSTEM MONITORING**

### Chemical Analyses Results

Water samples from the recovery system effluent were collected on a quarterly basis and analyzed for TPH-G according to EPA Method 8015 (Modified) and BTEX according to EPA Method 8020. Chemical analytical data from the treatment system have been summarized in Table 3.

Chemical analytical data indicate that the recovery system effluent is in compliance with local POTW discharge limits.

Shell Oil Company

October 25, 1993

Page 5

Recovery System Operation

Monthly flowmeter readings from the recovery system were recorded by Gettler-Ryan Inc. (G-R), and are summarized in Table 3. Groundwater was pumped through the treatment system at a rate of approximately 8,777 gallons per day, corresponding to 6.09 gallons per minute (gpm). Approximately 359,848 gallons of groundwater were recovered during the third quarter of 1993. No measurable amount of separate-phase product was recovered by the recovery system during the quarter.

Maintenance

Routine maintenance included inspecting all equipment for leaks or malfunctions, cleaning tank effluent lines and flowmeter and removing any debris around the recovery system.

- Plate 1 Vandy Map
- Plate 2 Site Map
- Plate 3 Process Flow Diagram
- Plate 4 Water-level Map
- Plate 5 Benzene Concentration Map

Appendix A1 Stone Tech Services Inc. Sampling Report

- cc: Mr. Hugh Murphy, City of Hayward Fire Department
- Mr. Louis Johnson, Regional Water Quality Control Board
- Mr. Jeff Roland, Shell Oil Company
- Mr. Rick Schroder, Shell Oil Company

**EXPLANATION**

- ◆ Groundwater monitoring well
- ⊕ Recovery well
- Soil boring
- ✕ Abandoned groundwater monitoring well

**BOLERO AVENUE**

**LOYOLA AVENUE**

**HESPERIAN BOULEVARD**

TRAFFIC ISLAND

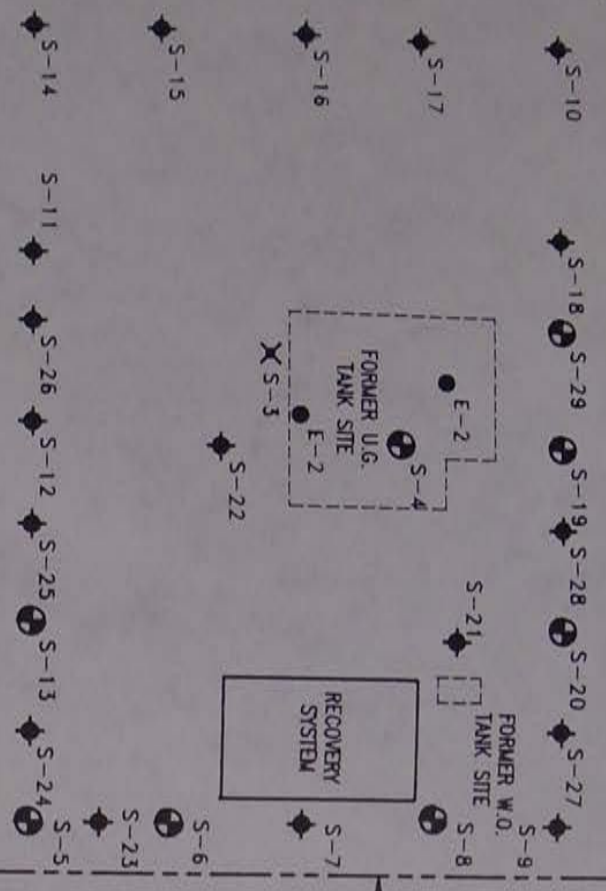
APPROXIMATE  
PROPERTY LINE

RESIDENTIAL

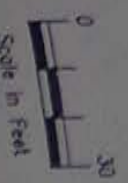
RECOVERY SYSTEM

FORMER W.O.  
TANK SITE

FORMER U.G.  
TANK SITE



Base Map:  
Compiled from Shell Plot Plan dated 12/79,  
Woodward-Clyde Consultants map dated 4/89,  
and EMCON Associates report dated 10/20/84



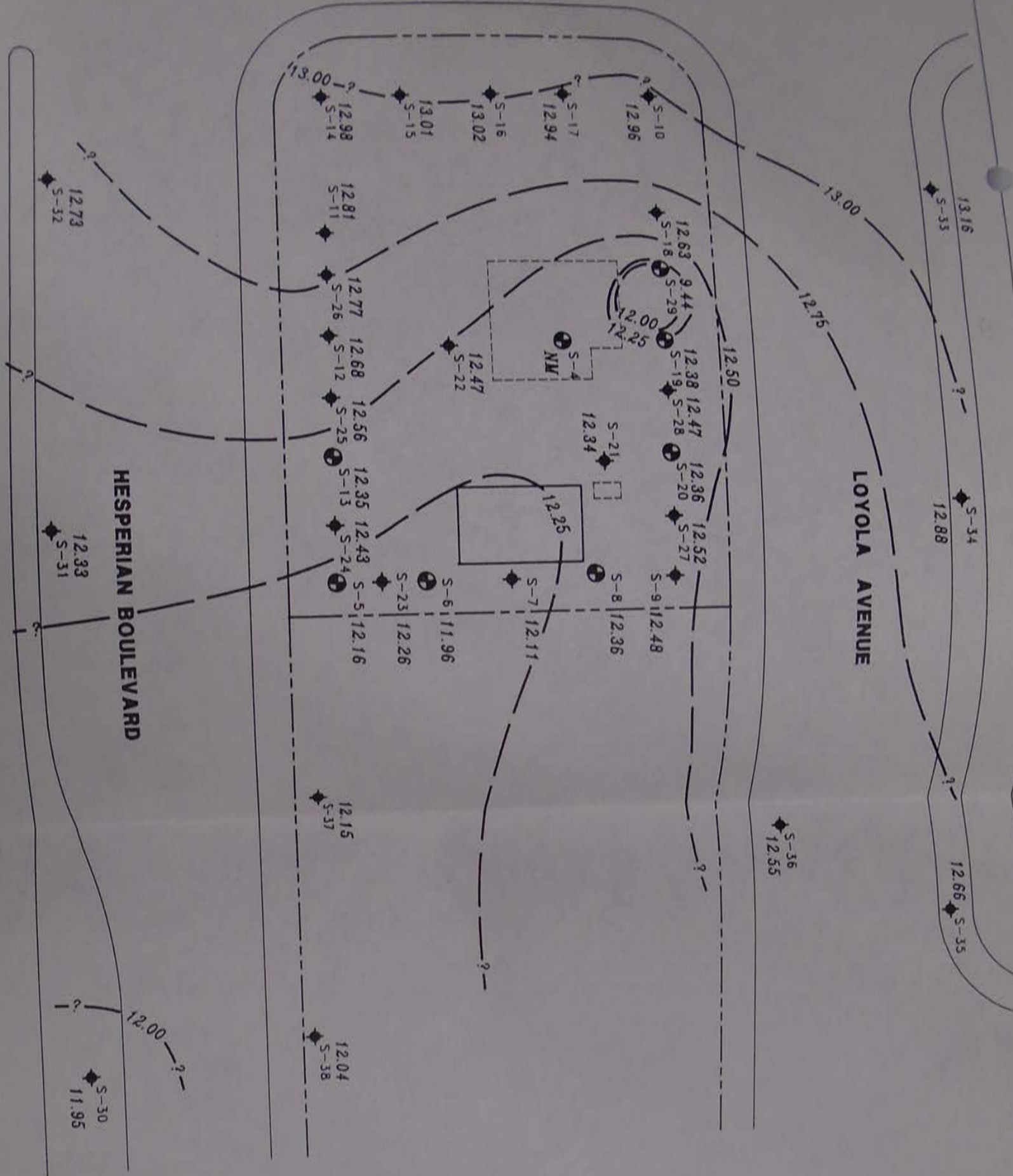
**SITE PLAN**  
Former Shell Service Station  
27501 Loyola Avenue  
Hayward, California

REVISED DATE

BOLERO AVENUE

LOYOLA AVENUE

HESPERIAN BOULEVARD



EXPLANATION

- ◆ Groundwater monitoring well
- ⊕ Recovery well
- 99.99 Groundwater elevation in feet referenced to Mean Sea Level (MSL) measured on August 24, 1993

Groundwater elevation contour  
Approximate Gradient = 0.004

NW Not Measured

Notes: 1. Contours may be influenced by irrigation practices and/or site construction activities.

2. Wells S-4, S-5, S-6, S-8, S-13, S-19, S-20 and S-29 contain pumps.



Base map: Compiled from Shell Plot Plan, dated 12/79,  
 Woodward-Clyde Consultants map, dated 4/89  
 and EMCON Associates report, dated 10/20/84

POTENTIOMETRIC MAP  
 Former Shell Service Station  
 27501 Loyola Avenue  
 Hayward, California



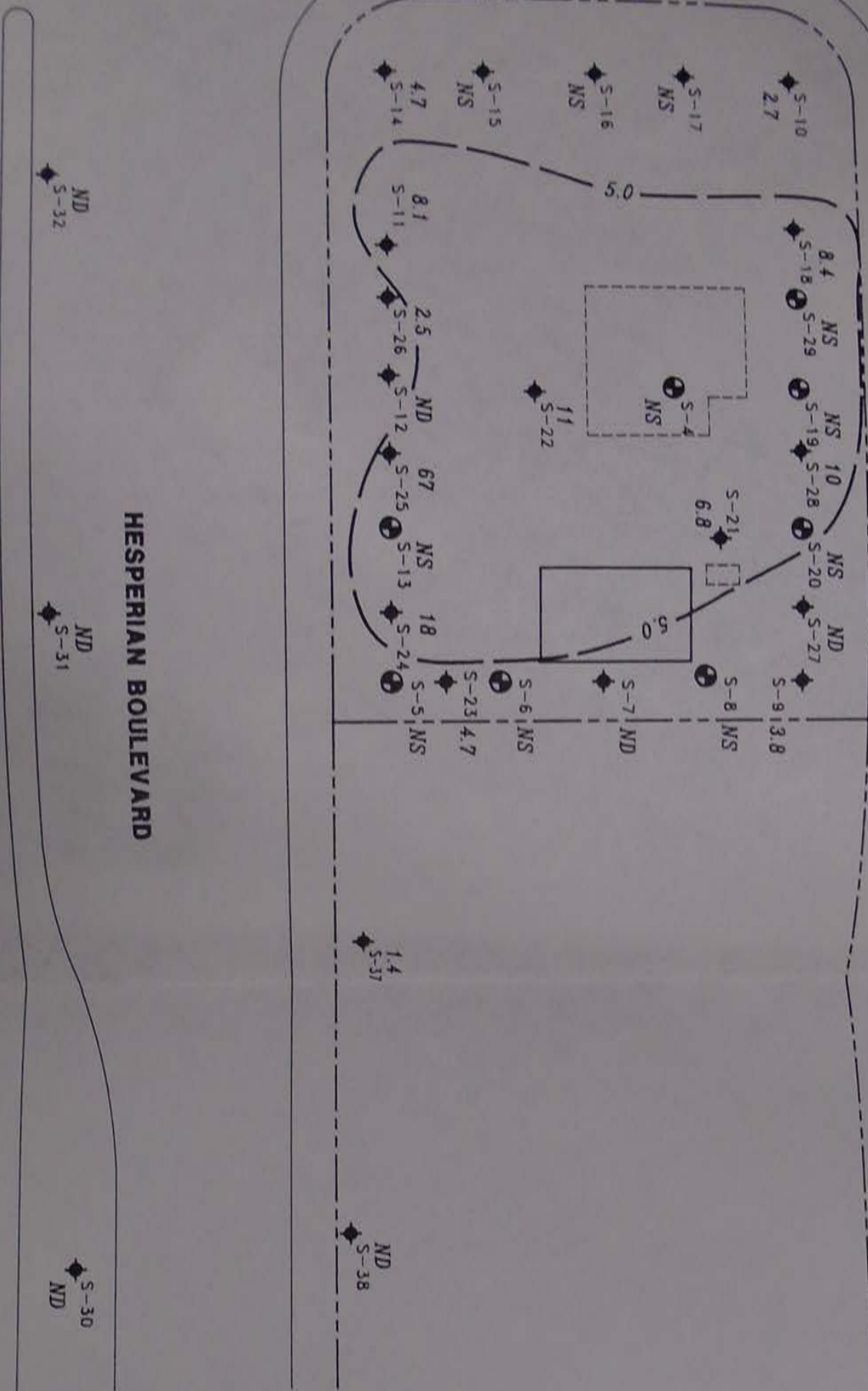
GeoStrategies Inc.

REVISED DATE

BOLERO AVENUE

LOYOLA AVENUE

HESPERIAN BOULEVARD

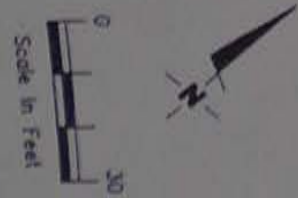


Base Map:  
 Compiled from Shell Plot Plan dated 12/79,  
 Woodward-Clyde Consultants map dated 4/89  
 and EMCON Associates report dated 10/20/84

EXPLANATION

- ◆ Groundwater monitoring well
- ⊕ Recovery well
- 5.00 Benzene concentration in pps sampled on August 24, 1993
- 5.0 Benzene concentration contour
- ND Not Detected (See laboratory reports for detection limits)
- NS Not Sampled

- Notes:
1. Wells S-4, S-5, S-8, S-8, S-13, S-19, S-20, and S-28 contain pumps and are not sampled.
  2. Wells S-11, S-12, S-15 and S-17 are sampled on a seasonal basis.



GeoStrategies Inc.

**BENZENE ISOCONCENTRATION MAP**  
 Former Shell Service Station  
 27501 Loyola Avenue  
 Hayward, California

REVISED DATE



Matthew Rodriguez  
Secretary for  
Environmental Protection

## Department of Toxic Substances Control

Miriam Barcellona Ingenito  
Acting Director  
1001 "I" Street  
P.O. Box 806  
Sacramento, California 95812-0806



Edmund G. Brown Jr.  
Governor

### EPA ID PROFILE

**ID Number:** CAL000122376      **Name :** SHELL  
**Status:** INACTIVE      **Inactive Date:** 06/30/1999      **Record Entered:** 12/09/1993      **Last Updated:** 01/31/2000  
**County:** ALAMEDA      **NAICS:**      **SIC:**

	Name	Address	City	State	Zip Code	Phone
<b>Location</b>	SHELL	27501 LOYOLA/ BOLERO	HAYWARD	CA	945450000	
<b>Mailing</b>		PO BOX 4453	HOUSTON	TX	772104453	
<b>Owner</b>	EQUILON ENTERPRISES LLC	PO BOX 4453	HOUSTON	TX	772104453	7132412258
<b>Operator/ Contact</b>	SONDRA BIENVENU	INACTIVE PER VI99 LC	HOUSTON	TX	772104453	7132412258

**Based ONLY upon ID Number**      **CAL000122376**

Calif. Manifests ?	Non Calif. Manifests ?	Transporter Registration ?
YES	NO	NO

[California and Non California Manifest Tonnage Total and Waste Code by Year Matrix by Entity Type \(if available\)](#)  
are on the next page

The Department of Toxic Substances Control (DTSC) takes every precaution to ensure the accuracy of data in the Hazardous Waste Tracking System (HWTS). However, because of the large number of manifests handled, inaccuracies in the submitted data, limitations of the manifest system and the technical limitations of the database, DTSC cannot guarantee that the data accurately reflect what was actually transported or produced.



**Calif. Manifest Counts and Total Tonnage**

Top line represents Manifest Count and Bottom line represents Total Tonnage

	<b>GENERATOR</b>
<b>1993</b>	<b>2</b> <b>2.2200</b>
<b>1998</b>	<b>1</b>

**Non California Manifest Total Tonnage**

**Waste Code By Year By Entity Matrix Report  
(based on California Manifests only)**

<b>Calif.</b>	<u>Generator</u>	<u>Transporter 1</u>	<u>Transporter 2</u>	<u>TSDF</u>	<u>Alt. TSDF</u>
<b>RCRA</b>	<u>Generator</u>	<u>Transporter 1</u>	<u>Transporter 2</u>	<u>TSDF</u>	<u>Alt. TSDF</u>

## California Waste Code By Year Matrix

ID Number: CAL000122376

Entity Type : GENERATOR

*Weight ( in Tons)*

Ship Years

Calif. Code	Description	1993
134	AQ SOL (2 < PH < 12.5) W ORG RESIDUES < 10%	1.4700
512	OTHER EMPTY CONTAINERS >= 30 GALLONS	0.7500
<b>Grand Total</b>		<b>2.2200</b>

## RCRA Waste Code By Year Matrix Report

ID Number: CAL000122376

Entity Type: GENERATOR

*Weight ( in Tons)*

RCRA Code	Description	Ship Years
		1993
	Blank/Unknown	0.7500
D001	Ignitable	1.4700
Grand Total		2.2200



Winston H. Hickox  
Secretary for  
Environmental  
Protection

# California Regional Water Quality Control Board

## San Francisco Bay Region

Internet Address: <http://www.swrcb.ca.gov>  
1515 Clay Street, Suite 1400, Oakland, California 94612  
Phone (510) 622 2300 - FAX (510) 622-2460



Gray Davis  
Governor

July 16, 2001  
File No. 2198.17(CTII)  
RB File No. 01-1348

Equiva Services LLC  
Ms. Karen Petryna  
P.O. Box 7869  
Burbank, CA 91510-7869

Subject: Transmittal of the Closure Letter and Summary,  
Former Shell Service Station at 27501 Loyola Avenue, Hayward, CA

Dear Ms. Petryna:

Attached please find the uniform underground storage tank closure letter and the site summary form for the subject site.

Please contact Chuck Headlee of my staff at (510) 622-2433 or [cth@rb2.swrcb.ca.gov](mailto:cth@rb2.swrcb.ca.gov) if you have any questions regarding this matter.

Sincerely,

Loretta K. Barsamian  
Executive Officer

Stephen A. Hill  
Chief, Toxics Cleanup Division

Enclosure: Closure Letter  
Site Closure Summary

cc: Hugh J. Murphy, Hayward Fire Department  
Hazardous Materials Division  
777 B Street  
Hayward, CA 94541

Allan Patton & Steve Mizera, SWRCB  
Division of Clean Waters Programs  
1001 I Street  
Sacramento, CA 98512

01-1348.ca



Winston H. Hickox  
Secretary for  
Environmental  
Protection

# California Regional Water Quality Control Board

## San Francisco Bay Region

Internet Address: <http://www.swrcb.ca.gov>  
1515 Clay Street, Suite 1400, Oakland, California 94612  
Phone (510) 622-2300 • FAX (510) 622-2460



Gray Davis  
Governor

July 16, 2001  
File No. 2198.17(CTH)  
RB File No. 01-1348

Equiva Services I.I.C  
Ms. Karen Petryna  
P.O. Box 7869  
Burbank, CA 91510-7869

Subject: Closure Letter for Former Shell Service Station at  
27501 Loyola Avenue, Hayward, CA

Dear Ms. Petryna:

This letter confirms the completion of site investigation and remedial action for the underground storage tank(s) formerly located at the above mentioned location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank(s) are greatly appreciated.

Based on the information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground tank release is required.

This notice is issued pursuant to a regulation contained in Section 2721(e) of Title 23 of the California Code of Regulations.

Please contact our office if you have any questions regarding this matter.

Sincerely,

Loretta K. Barsamian  
Executive Officer

01-1348.cis

## SITE CLOSURE SUMMARY

### I. AGENCY INFORMATION

Date: **June 29, 2001**

Agency Name: <b>S. F. B. R. W. Q. C. B.</b>	Address: <b>1515 Clay Street, Suite 1400</b>
City/State/Zip: <b>Oakland, CA 94612</b>	Phone: <b>(510) 622-2300</b>
Responsible Staff Person: <b>Chuck Headlee</b>	Title: <b>Associate Engineering Geologist</b>

### II. SITE INFORMATION

Site Facility Name: <b>Former Shell Service Station</b>				
Site Facility Address: <b>27501 Loyola Avenue, Hayward, California 94545</b>				
RB LUSTIS Case No. <b>01-1348</b>	Local or LOP Case No.:		Priority:	
URF Filing Date: <b>07/20/87</b>	SWEEPS No.: <b>01-003-003239</b>			
Responsible Parties (include addresses and phone numbers) <b>Equiva Services LLC, P.O. Box 7869, Burbank, CA 91510-7869</b> <b>Contact: Karen Petryna / Tel: (559) 645-9306</b>				
Tank No.	Size in Gallons	Contents	Closed In-Place/Removed?	Date
1	8000	Unleaded Gasoline	Installed 1970/Removed Aug 84	8/84
2	5000	Regular Gasoline	Installed 1958/Removed Aug 84	8/84
3	5000	Regular Gasoline	Installed 1958/Removed Aug 84	8/84
4	5000	Unleaded Gasoline	Installed 1958/Removed Aug 84	8/84
5	Unknown	Waste Oil	Installed 1958/Removed Aug 84	8/84
6	8000	Unleaded Gasoline	Installed 1969/Removed- Unknown	Unknown
7	8000	Regular Gasoline	Installed 1969/Removed- Unknown	Unknown
8	550	Waste Oil	Installed 1969/Removed- Unknown	Unknown
9	Unknown	Premium Gasoline	Installed 1969/Removed- Unknown	Unknown
10	1000	Product Recovery	Installed 1985/Removed 1993	1993

### III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: <b>Unknown mechanism; free product found in groundwater</b>			
Site characterization complete?	<b>Yes</b>	Date Approved By Oversight Agency:	
Monitoring wells installed?	<b>Yes</b>	Number: <b>35</b>	Proper screened interval? <b>Yes</b>
Highest GW Depth Below Ground Surface: <b>7.73'</b>	Lowest Depth: <b>15.27'</b>	Flow Direction: <b>S/SE</b>	
Most Sensitive Current Use: <b>None KNown</b>			
Most Sensitive Potential Use and Probability of Use: <b>None Known</b>			
Are drinking water wells affected?	<b>No</b>	Aquifer Name: <b>Unknown</b>	
Is surface water affected?	<b>No</b>	Nearest/Affected SW Name: <b>NA</b>	
Off-Site Beneficial Use Impacts (Addresses/Locations): <b>None Known</b>			
Report(s) on file?	<b>Yes</b>	Where are reports filed? <b>SFBRWQCB &amp; Hayward Fire Department</b>	

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL									
Material	Amount (Include Units)		Action (Treatment or Disposal w/Destination)				Date		
Tank	10 tanks: capacities range from 550-gal to 8,000-gal		9 tanks disposed of at unknown facility. 1 x 1,000-gallon disposed of at Erickson Inc., Richmond, CA				5 in 1984; 1 in 1993; 4 on unknown date		
Piping	Unknown		Removed and disposed of at unknown facility				Unknown		
Free Product	Approximately 848 lbs		Removed by groundwater extraction system. Disposal facility unknown				1985 - 1994		
Soil	Unknown		Disposal Facility unknown				Unknown		
Groundwater	15,623,280 gallons		Water disposed of in sanitary sewer under permit				1985 - 1994		
Barrels	None								
MAXIMUM DOCUMENTED POLLUTANT CONCENTRATIONS--BEFORE AND AFTER CLEANUP									
POLLUTANT	Soil (ppm)		Water (ppb)		POLLUTANT	Soil (ppm)		Water (ppb)	
	Before	After	Before	After		Before	After	Before	After
TPH (Gas)	ND	ND	SPH	980	Xylene	ND	NA	SPH	130
TPH (Diesel)	NA	ND	NA	NA	Ethylbenzene	ND	NA	SPH	49
Benzene	ND	ND	SPH	68	Oil & Grease	NA	NA	NA	NA
Toluene	ND	ND	SPH	15	Heavy Metals	NA	NA	NA	NA
MTBE	NA	NA	10	<0.5	Other				
<p>Comments (Depth of Remediation, etc.): 15,623,280 gallons of water were extracted by a groundwater extraction and treatment system over a period of 9 years (5/85 through 3/94) to remove hydrocarbons from groundwater. SVE testing in 1994 removed 36.80 lbs. of TPHg and 0.21 lbs. of benzene. No separate phase hydrocarbon (SPH) has been detected in monitoring wells since 1/91. Concentrations of hydrocarbons in groundwater monitoring wells at the site continue to show decreasing trends suggesting natural attenuation processes are working.</p>									

#### IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan?	Yes
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan?	Yes
Does corrective action protect public health for current land use?	Yes
<p>Site Management Requirements: Residual impacted soil or groundwater disturbed or removed during future development activities must be properly managed and disposed of. Should property use intensify, a separate site assessment shall be conducted and clearance obtained from the Regional Board for proposed more intensive use.</p>	
Monitoring Wells Decommissioned: Yes	Number Decommissioned: 6      Number Retained: 33
List Enforcement Actions Taken: None	
List Enforcement Actions Rescinded: None	

V. TECHNICAL REPORTS, CORRESPONDENCE ETC., THAT THIS CLOSURE RECOMMENDATION WAS BASED UPON

See attached list of correspondences and reports

VI. ADDITIONAL COMMENTS, DATA, ETC.

PLEASE INCLUDE/ATTACH THE FOLLOWING AS APPROPRIATE:

- 1) SITE MAP INDICATING TANK PIT LOCATION, MONITORING WELL LOCATION, GROUNDWATER GRADIENT, ETC.; AND,
- 2) SITE COMMENTS WORTHY OF NOTICE (E.G., AREA OF RESIDUAL POLLUTION LEFT IN PLACE, DEED NOTICES ETC.)

Based on RWQCB criteria, the subject site can be classified as a low-risk site. Groundwater is shallow, no water supply wells are screened within the shallow groundwater zone, and no surface water features or sensitive habitats have been affected by the release at this site. Historical groundwater data indicate that source removal has been effective and that the plume is shrinking. Residual hydrocarbons in groundwater are expected to continue to undergo natural attenuation processes.

A recent *Human Health Risk Assessment* prepared for this site (May 10, 2001) concluded the property was suitable for residential development. The SF Bay RWQCB reviewed this report and concurred with this conclusion in their June 13, 2001 letter.

Geophysical testing performed during May 2001 concluded there are no remaining underground storage tanks buried at this site.

Site maps and groundwater data are included and attached to this Site Closure Summary.

This document and the related CASE CLOSURE LETTER, shall be retained by the lead agency as part of the official site file.



**APPENDIX D**

**ASTM USER QUESTIONNAIRE**

## ASTM E 1527-13 User Questionnaire

In order to qualify for the protection offered under the EPA All Appropriate Inquiry (AAI) Standard, the **User** (entities seeking to use the ASTM E1527-13 Practice to complete an environmental site assessment of the property; i.e. Lenders and/or Borrowers) must provide the following information (if available) to the environmental professional. Failure to provide this information could result in a determination that AAI is not complete. This information should be the collective knowledge of the entities relying on the Phase I. **Please note that you are not being asked to evaluate the property, but rather to provide your knowledge of information on the property.**

Site Name/Address: 27501 Loyola Ave

Person Interviewed/Title: Daniel Bo Date: 10/9/14

If known, when was the property initially developed? \_\_\_\_\_

If different, when were the current building(s) on the property constructed? \_\_\_\_\_

1. Environmental cleanup liens that are filed or recorded against the site (40 CFR 312.25).

Are you aware of any environmental cleanup liens against the *property* that are filed or recorded under federal, tribal, state or local law? (**Note:** If unknown, a review of title records or an environmental lien search is recommended)

Yes  No  If you answer yes, please include an explanation in the space provided below:

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2. Activity and land use limitations that are in place on the site or that have been filed or recorded in a registry (40 CFR 312.26).

Are you aware of any AULs, such as *engineering controls*, land use restrictions or *institutional controls* that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law?

*Engineering Controls* are defined as physical modifications to a site or facility to reduce or eliminate the potential for exposure to hazardous substances or petroleum products in the soil or ground water on the property). *Institutional Controls* are defined as a legal or administrative restriction on the use of, or access to, a site or facility to 1) reduce or eliminate the potential for exposure to hazardous substances or petroleum products in the soil or ground water on the property, or 2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment.

Yes  No  If you answer yes, please include an explanation in the space provided below:

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3. Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28).

As the *User* of this *ESA* do you have any specialized knowledge or experience related to the *property* or nearby properties? For example, are you involved in the same line of business as the current or former *occupants* of the *property* or an adjoining *property* so that you would have specialized knowledge of the chemicals and processes used by this type of business?

Yes  No  If you answer yes, please include an explanation in the space provided below:

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4. Relationship of the purchase price to the fair market value of the *property* if it were not contaminated (40 CFR 312.29).

a) Does the purchase price being paid for this *property* reasonably reflect the fair market value of the *property*?

Yes  No  If you answer no, please include an explanation in the space provided below, including whether the lower purchase price is because contamination is known or believed to be present at the *property*?

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5. Commonly known or *reasonably ascertainable* information about the *property* (40 CFR 312.30).

Are you aware of commonly known or *reasonably ascertainable* information about the *property* that would help the *environmental professional* to identify conditions indicative of releases or threatened releases? For example, as *User*:

a. Do you know the past uses of the *property*?

Yes  No

b. Do you know of specific chemicals that are present or once were present at the *property*?

Yes  No

c. Do you know of spills or other chemical releases that have taken place at the *property*?

Yes  No

d. Do you know of any environmental cleanups that have taken place at the *property*?

Yes  No

If you answered yes to any of the questions above, please include an explanation in the space provided below:

---

Used to be a shell gas station. Known UST leak. Cleaned up around 2002.

---

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6. The degree of obviousness of the presence of likely presence of contamination at the *property*, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).

As the *User* of this *ESA*, based on your knowledge and experience related to the *property*, are there any *obvious* indicators that point to the presence or likely presence of contamination at the *property*?

Yes  No  If you answer yes, please include an explanation in the space provided below:

---

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Please provide the following property contact information:

Property Owner: Daniel Bo Phone Number: 925-918-0637

Key Site Personnel: \_\_\_\_\_ Phone Number: \_\_\_\_\_

Past Owner: \_\_\_\_\_ Phone Number: \_\_\_\_\_

Signature: 

Date: 10 / 09 / 2014

**APPENDIX E**

**OTHER SUPPORTING DOCUMENTATION**



<i>Previous Occupant(s)/Tenant(s)</i>	<i>Length of occupancy</i>	<i>Brief description of on-site operations</i>

Has the subject site ever been occupied by the following:  
 Dry Cleaner    Gas Station    Printing Facility    Manufacturing Facility  
 If yes, provide length of occupancy:

Have any previous investigations been performed at the subject property?    Yes    No   If Yes, are copies available?

If Yes, note type and describe:    Phase I ESA    Phase II    Asbestos    Lead Paint    Radon

**ON-SITE ENVIRONMENTAL CONDITIONS**

Are you aware of any of the following environmental conditions, either current or former, on the subject site?  
 NOTE: If applicable, please provide inventory records, inspection records and material safety data sheets to site inspector during site inspection.

<i>Environmental Condition/Issue</i>	<i>Response</i>	<i>Notes on Yes Responses</i>
Aboveground Storage Tanks	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Underground Storage Tanks	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Hazardous/Toxic Substances	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Stored Chemicals	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Chemical Spills/Releases	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Dump Areas/Landfills	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Waste Treatment Systems	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Wastewater Discharges	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Floor Drains/Sumps/Clarifiers	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Pits, Ponds, Lagoons	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Stained Soil/Vegetation	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Pesticide/Herbicide Use	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Polychlorinated Biphenyls (PCBs)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Electrical Transformers	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Hydraulic Lifts	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Elevators	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Asbestos	<input type="checkbox"/> Yes <input type="checkbox"/> No	
<i>Environmental Condition/Issue</i>	<i>Response</i>	<i>Notes on Yes Responses</i>
Lead-based paint	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Oil/Gas Wells	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Environmental Clean-ups	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Environmental Permits	<input type="checkbox"/> Yes <input type="checkbox"/> No	

**OTHER ENVIRONMENTAL CONDITIONS**

Are you aware of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property?

Yes  No

If yes, provide brief explanation.

Are you aware of any pending, threatened or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property?

Yes  No

If yes, provide brief explanation.

Are you aware of any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products?

Yes  No

If yes, provide brief explanation.

Are you aware of any incidents of flooding, leaks, or other water intrusion, and/or complaints related to indoor air quality?

Yes  No

If yes, provide brief explanation.

Are you aware of any cases of extreme water damage or mold throughout the building(s)?

Yes  No

If yes, provide brief explanation.

Person Completing Questionnaire:

Title/Affiliation to the subject property:

Number of Years Associated with the subject property:

Date:



A large, dynamic splash of water with many bubbles and ripples, set against a blue gradient background. The splash is the central focus of the top half of the page.

# 2013

# Water Quality Report



CITY OF  
**HAYWARD**  
HEART OF THE BAY

Utilities & Environmental Services Department  
777 B Street  
Hayward, CA 94541-5007

## The CITY of HAYWARD

is pleased to present the *2013 Water Quality Report (Consumer Confidence Report)* to let customers know where Hayward drinking water comes from, how it is treated, the results of water quality monitoring, and other important information about water quality.

The City of Hayward purchases all of its water from the San Francisco Public Utilities Commission (SFPUC). The results of water quality monitoring by the SFPUC and City of Hayward confirm that the water delivered to Hayward customers in 2013 met all state and federal standards. Important information about any contaminants that were detected in the drinking water in 2013 can be found in this report.

### WHAT IS THE SOURCE OF OUR DRINKING WATER?

SFPUC is the sole supplier of water to Hayward. The Hetch Hetchy watershed, an area located in Yosemite National Park, provides the majority of water delivered by SFPUC to Hayward. Spring snow melt runs down the Tuolumne River and is stored in the Hetch Hetchy Reservoir.

SFPUC provides a small amount of water from the Alameda watershed, which is located in the East Bay and stored in

the Calaveras and San Antonio Reservoirs. The two local reservoirs hold rain, local runoff, and some Hetch Hetchy water. This surface water source is supplemented by a small amount of ground water from Sunol Filter Galleries near the town of Sunol.

### IS OUR WATER FILTERED AND TREATED?

The Hetch Hetchy reservoir water supply meets all federal and state requirements for watershed protection, disinfection treatment, bacteriological quality, and operational standards. As a result, the U.S. Environmental Protection Agency and the California Department of Public Health (CDPH) have granted the Hetch Hetchy water supply an exemption from filtration requirements. SFPUC monitors the Hetch Hetchy watershed weather conditions, water turbidity levels, microbial contaminants, maintains aqueduct disinfection levels in the water, and complies with reporting requirements. This enables SFPUC to maintain a filtration exemption for the Hetch Hetchy source.

That portion of the water that is stored locally in the Calaveras and San Antonio reservoirs, including stored Hetch Hetchy water, is treated and filtered. SFPUC adds fluoride to all water delivered to all its whole sale customers including Hayward.



SFPUC aggressively protects the natural water resources entrusted to its care. Its annual Hetch Hetchy Watershed Survey evaluates the sanitary conditions, water quality, potential contamination sources, and the results of watershed management activities by SFPUC and its partner agencies, including the National Park Service, to reduce or eliminate contamination sources. SFPUC also conducts sanitary surveys of the local Alameda and Peninsula watersheds every five years. These surveys identified wildlife and human activity as potential contamination sources. The reports are available for review at the CDPH San Francisco District office (510-820-3474).

## PUBLIC PARTICIPATION

The Hayward City Council is the governing authority of the Hayward Water Distribution System. The City Council meets at 7:00 p.m. on Tuesday evenings, except for the second and fifth Tuesday of each month, at the Hayward City Hall. The San Francisco Public Utilities Commission (SFPUC) is the governing authority of the sole wholesale water supplier to Hayward. SFPUC meets on the second and fourth Tuesdays of the month at 1:30 p.m. at the San Francisco City Hall, Room 400. The public is invited to participate in these meetings.

## WHO SHOULD SEEK ADVICE ABOUT DRINKING WATER?

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, as well as some elderly and infants can be particularly at risk from infections. These individuals should seek advice about drinking water from their health care providers. USEPA Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the USEPA Safe Drinking Water Hotline (1-800-426-4791) or at [www.epa.gov/safewater](http://www.epa.gov/safewater).

## HOW DO DRINKING WATER SOURCES BECOME POLLUTED?

Sources of drinking water (both tap water and bottled water) typically include rivers, lakes, oceans, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals, and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

Contaminants that may be present in the source water include:

- Microbial contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- Inorganic contaminants, such as salts and metals, that can be naturally occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses.
- Organic chemical contaminants, including synthetic and volatile organic chemicals, that are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, agricultural application, and septic systems.
- Radioactive contaminants, which can be naturally-occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, USEPA and the California Department of Public Health prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. CDPH regulations also establish limits for contaminants in bottled water that must provide the same protection for public health.

## FOR MORE INFORMATION...

If you would like more information about Hetch Hetchy water or water quality monitoring, please contact the SFPUC Water Quality Bureau at 877-737-297 or visit its website at [www.sfwater.org](http://www.sfwater.org). For information about the City of Hayward Water Distribution System, please call Alicia Sargiotto at 510-583-4727 or visit [www.hayward-ca.gov](http://www.hayward-ca.gov).

**Este aviso contiene información muy importante sobre su agua potable. Si no lo entiende, por favor hable con una persona que sí lo entienda.**

Ang ulat na ito ay naglalaman ng mahalagang impormasyon ukol sa iyong inuming tubig. Isalin-wika mo ito, o di kaya'y makipag-usap sa isang nakakaintindi nito.

**Báo cáo này chứa đựng tin tức quan trọng về nước uống của quý vị. Xin phiên dịch ra, hay nói chuyện với người hiểu vấn đề này.**

ਇਸ ਰਿਪੋਰਟ ਵਿੱਚ ਤੁਹਾਡੇ ਪੀਣ ਵਾਲੇ ਪਾਣੀ ਸੰਬੰਧੀ ਜ਼ਰੂਰੀ ਜਾਣਕਾਰੀ ਮੌਜੂਦ ਹੈ। ਇਸਦਾ ਅਨੁਵਾਦ ਕਰਾਓ ਜਾਂ ਇਸ ਬਾਰੇ ਉਸ ਵਿਅਕਤੀ ਨਾਲ ਗੱਲ ਕਰੋ ਜਿਹੜਾ ਇਸਨੂੰ ਸਮਝਦਾ ਹੋਵੇ।

इस रिपोर्ट में आपके पीने के पानी के बारे में महत्वपूर्ण जानकारी दी गई है। इसका अनुवाद करें, या जो कोई इसे समझते हैं उनसे बात करें।



CITY OF  
**HAYWARD**  
HEART OF THE BAY



The tables below and on the following page provide important information about contaminants that were detected in the water in 2013. You may be unfamiliar with the terms and abbreviations, so here are definitions to help you understand the water quality summary.

**Maximum Contaminant Level Goal (MCLG)**

The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the U.S. Environmental Protection Agency (USEPA).

**Public Health Goal (PHG)**

The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California Environmental Protection Agency.

**Maximum Contaminant Level (MCL)**

The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically and technologically feasible.

**Maximum Residual Disinfectant Level (MRDL)**

The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

**Maximum Residual Disinfectant Level Goal (MRDLG)**

The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

**Primary Drinking Water Standards**

MCLs and MRDLs for contaminants that affect health, along with their monitoring and reporting requirements, and water treatment requirements.

**Treatment Technique (TT)**

A required process intended to reduce the level of a contaminant in drinking water.

**Regulatory Action Level (RAL)**

The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.

**Secondary Maximum Contaminant Level (SMCL)**

Standards set by the USEPA/California Department of Public Health to protect the odor, taste, and appearance of drinking water.

Contaminants listed in the following tables were detected in 2013 drinking water samples. The tables contain the name of each substance, the highest level allowed by regulation (MCL), if applicable, the ideal goal for public health (PHG), if applicable, the amount detected, typical sources of the contamination, a key to the units of measurement, and notes to explain the findings. Laboratory staff analyzed the water samples for other contaminants. These contaminants, including TBE, perchlorate, arsenic, herbicides and pesticides, were not detected.

## Mandatory Health-Related Standards

( y a d o t s o x t p a )

Detected Contaminants	Unit	MCL	PHG (MCLG)	Range	Average (MCL)	Typical Sources in Drinking Water
<b>TUWIDIT (S/PUC Treated Water)<sup>(1)</sup></b>						
Unfiltered Hetch Hetchy - ater	NTU	TT 5	N/A	0.2 I 0.3 <sup>(2)</sup>	(3.0) <sup>(3)</sup>	Soil Runoff
Filtered - ater   Sunol, alley - TP	NTU	TT 1 <sup>(4)</sup>	N/A	-	(0.9)	Soil Runoff
		95% 0.3 <sup>(4)</sup>	N/A	99.9%	-	Soil Runoff
<b>DISINFECTION (-P/ DUCTS AND P/ECU/S/S (S/PUC Regional System)</b>						
Total %rganic Carbon <sup>(5)</sup>	ppm	TT	N/A	1.0 - 3.4	2.2	, arious natural and man-made sources
<b>DISINFECTION (-P/ DUCTS AND P/ECU/S/S (City of Hayward Distribution System)</b>						
Total Trihalomethanes (TTHM s)	ppb	0	N/A	3.1 - 77.7	(55.9) <sup>(6)</sup>	By-product of drinking water disinfection
Total Haloacetic Acids	ppb	0	N/A	29.9 - 55.3	(44.7) <sup>(6)</sup>	By-product of drinking water disinfection
<b>IC/ I/ ICA (S/PUC Regional System)</b>						
iardia lamblia	cysts	TT	(0)	0.01 - 0.04	0.01	Naturally present in the environment
<b>IC/ I/ ICA (City of Hayward Distribution System)</b>						
Total Coliform		5	(0)	0.0 I 1.9 <sup>(7)</sup>	0.4 <sup>(7)</sup>	Naturally present in the environment
<b>AD/ UC/IDES (S/PUC Regional System)</b>						
ross Alpha Particle Activity	pCi	15	(0)	ND - 3.9	ND	Naturally present in the environment
<b>I/ A/ IC/ CHE/ ICA/S</b>						
Fluoride <sup>(8)</sup>	ppm	2	1	ND - 0.0	0.4 <sup>(9)</sup>	Erosion of natural deposits
<b>DISINFECTION T/ESIDUA/S (City of Hayward Distribution System)</b>						
Chlorine <sup>(10)</sup>	ppm	RD 4	RD 4	0.0 - 3.1	2.3	Drinking water disinfectant for treatment
<b>EAD AND C/ PPE/ U/ E STUD (City of Hayward Tap Water)</b>						
	Unit	A <sup>(11)</sup>	PHG	Range	90th Percentile	Typical Sources in Drinking Water
Copper	ppb	1300	300	1.0 - 97.4	3.7 <sup>(12)</sup>	Corrosion of household plumbing systems
Lead	ppb	15	0.2	1.0 - 4.2	1.2 <sup>(12)</sup>	Corrosion of household plumbing systems

# Consumer Acceptance Limits

## Consumer Acceptance Limits

Detected Contaminant	Unit	SCM	Range	Average	Typical Sources in Drinking - ater
Aluminum	ppb	200	ND-52	ND	Erosion of natural deposits some water treatment residue
Chloride	ppm	500	3 - 1	10.2	Runoff leaching from natural deposits
Color	unit	15	5 -	5	Naturally-occurring organic materials
Specific Conductance	SCM	1000	29 - 25	109	Substances that form ions when in water
Sulfate	ppm	500	0 - 33	1	Runoff leaching from natural deposits
Total Dissolved Solids	ppm	1000	20 - 109	71	Runoff leaching from natural deposits
Turbidity	NTU	5	0.1 - 0.3	0.1	Soil runoff

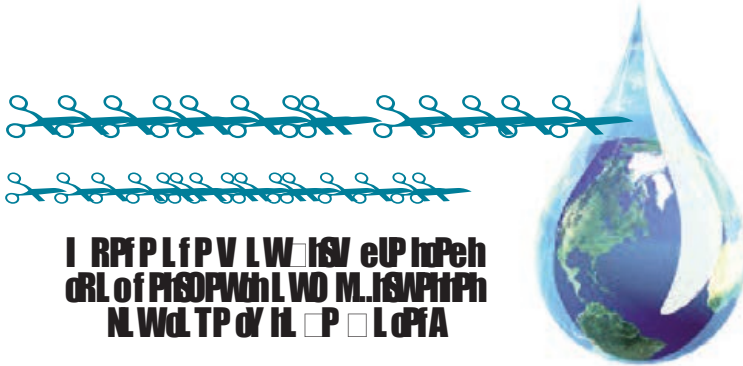
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- Nephelometric Turbidity Unit, which is a measurement of the clarity of water.
- Parts per billion (or micrograms per liter), which is equivalent to one penny in 10,000,000.
- Parts per million (or milligrams per liter), which is equivalent to one penny in 10,000.
- Cysts per liter, which is a measurement of some microorganisms in water less than the stated detection limit.
- MicroSiemens per centimeter.
- Non-detected
- Notification level
- Picocurie per liter

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- Turbidity is the water clarity indicator, it also indicates the quality of the water and the treatment system efficiency.
- Turbidity is measured every four hours. These are monthly average turbidity values.
- The highest turbidity of the unfiltered water in 2013 was 3.0 NTU.
- There is no turbidity for filtered water. The limits are based on the TT requirements for filtration systems.
- Total organic carbon is a precursor for disinfection byproduct formation. The TT requirement applies to the filtered water from S - TP only.
- This is the highest locational running annual average value.
- Percent of monthly samples that are positive in Hayward tap water.
- The SFPUC adds fluoride to an optimum level of 0.9 ppm to help prevent dental caries in consumers. The CDPH specifies the fluoride levels in the treated water to be maintained within a range of 0.7 ppm - 1.5 ppm. In 2013, the range and average of our fluoride levels were 0.7 ppm - 1.4 ppm and 0.9 ppm, respectively.
- The naturally fluoride level in the Hetch Hetchy was ND. Elevated fluoride levels in the S - TP raw water were attributed to the transfer of fluoridated Hetch Hetchy water into the reservoirs.
- ater is disinfected with chloramine, a combination of chlorine and ammonia. Residual chlorine is measured.
- The 90th percentile level of lead and copper must be less than the action level.
- In 2013, 0 out of 57 sampled residences exceeded the Action level at consumer taps.
- Other Regulatory level.
- The detected chlorate in treated water is a degradation byproduct of sodium hypochlorite used by SFPUC for water disinfection.

Parameter	Unit	%R <sup>(13)</sup>	Range	Average
Alkalinity (as CaCO <sub>3</sub> )	ppm	NA	7 - 71	4
Calcium (as Ca)	ppm	NA	3 - 23	13
Chlorate <sup>(14)</sup>	ppb	00 (NA)	39 - 90	303
Hardness (as CaCO <sub>3</sub> )	ppm	NA	7 - 9	53
agensium	ppm	NA	0.2 - 0.3	5.3
pH	unit	NA	5 - 9.4	0.4
Silica	ppm	NA	4 - 5.2	5
Sodium	ppm	NA	3 - 1	12



Pyrospora and Giardia, parasitic microbes found in most surface water supplies, can pose a potential health threat. If swallowed, either may produce symptoms of diarrhea, stomach cramps, upset stomach, and slight fever. Some people, including those with compromised immune systems, are more vulnerable to Pyrospora and Giardia than others and should seek advice about drinking water from their health care providers. SFPUC tests regularly for Pyrospora and Giardia in both source and treated water supplies. In 2013, very low levels of Pyrospora and Giardia were occasionally detected in source and treated water.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants, including Pyrospora and Giardia. The presence of small amounts of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects may be obtained by calling the USEPA Safe Drinking - ater Hotline at (800) 428-4791 or visiting [www.epa.gov/safewater](http://www.epa.gov/safewater).

- Replace old toilets with new, water-saving models.
- Replace old fixtures with new, water saving models.
- Turn off the faucet when you are brushing your teeth, shaving, and doing the dishes.
- Take shorter showers. Each minute you cut from your shower saves 2.5 gallons of water.
- Don't hose down sidewalks, driveways and pavement. Use a broom to clean these areas.
- ash only full loads in your dishwasher and clothes washer.
- Repair leaks. To check for toilet leaks, place a few drops of food coloring in the toilet tank. If color appears in the bowl, there is a leak and you probably need a new flapper.
- ive your landscaping only the water it needs. For example, most established lawns need water only once or twice a week. ater only at night or very early in the morning in order to reduce evaporation and use water more effectively. Placing mulch around your plants also reduces evaporation.
- Replace your lawn with water efficient and drought tolerant landscaping.
- Install faucet aerators in your kitchen and bathroom. Aerators reduce the volume of water coming from faucets, but because a little air is mixed into the water, you will feel like the flow is just as strong.
- Don't wash your car at home. Use a commercial car wash that recycles water.

In 2013, the City of Hayward tested for lead in the tap water of 57 residences. All samples were below the Action level of 15 parts per billion. Lead sampling is required every three years and will be performed again in 2018.

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. The Hayward - ater System is responsible for providing high quality drinking water, but cannot control the variety of materials used in your household or building plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking (use this water for other purposes I like watering plants). If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking - ater Hotline at (800) 428-4791 or at [www.epa.gov/safewater/lead](http://www.epa.gov/safewater/lead).

**APPENDIX F**  
**QUALIFICATIONS**

## **Elizabeth Scudero – Project Manager, Due Diligence**

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BA – Environmental Studies, University of California, Santa Cruz

Ms. Scudero provides project management to ensure ASTM compliance and satisfaction of client requirements for Phase I Environmental Assessments, Environmental Transaction Screens, Regulatory Database Review, and Historical Records Review.

Project experience for Ms. Scudero includes:

- Phase I Environmental Site Assessments (PHI ESA)
- Environmental Transaction Screens (ETS)
- Regulatory Database Review
- Historical Records Review

In addition, prior to joining the environmental consulting industry, Ms. Scudero spent four years studying a diverse range of environmental disciplines including: restoration ecology, political ecology, environmental policy, agriculture and sustainable agriculture, environmental economics, environmental justice, and geography.

## **Angela Hunt –Due Diligence Manger, Northern California Region**

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B.S.-Biology, University of California Los Angeles  
EPA Accredited Asbestos Inspector

Ms. Hunt has worked in the environmental consulting industry since 2009 and provides project management to ensure ASTM compliance and satisfaction of client requirements for Phase I Environmental Site Assessments, Environmental Transaction Screens, Environmental Transaction Analyses, Regulatory Database Reviews, Historical Records Reviews and Property Condition Assessments. She has successfully completed assessments on a variety of residential, commercial, and complex industrial sites. Ms. Hunt is accustomed to all aspects of Due Diligence Property Assessments and the needs and requirements of a variety of reporting standards, including ASTM, EPA's All Appropriate Inquiry (AAI), Freddie Mac, Fannie Mae, HUD, and customized client formats.

Project experience for Ms. Hunt includes:

- Phase I Environmental Site Assessments
- Property Condition Assessments
- Environmental Transaction Screens
- Environmental Transaction Analyses
- Regulatory Database Reviews
- Historical Records Reviews
- Project Coordination and Setup

As Due Diligence Manager, Northern California Region, Ms. Hunt provides staff supervision and mentorship. Ms. Hunt has attended various conferences regarding environmental issues. In addition, she has worked and volunteered with environmental non-profit organizations.

In addition, prior to joining the environmental service industry, Ms. Hunt spent four years studying a broad range of environmental disciplines, including: ecology, chemistry, and atmospheric and oceanic pollution.

## **Brie Solaegui – National Client Manager**

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B.A. – Geography, University of California, Berkeley

Registered Environmental Property Assessor (REPA)

Ms. Solaegui has been in the environmental service industry since 2006 and provides project management to ensure ASTM compliance and satisfaction of client requirements for Phase I Environmental Site Assessments, Environmental Transaction Screens, Environmental Transaction Analyses, Regulatory Database Reviews, Historical Records Reviews and Property Condition Assessments. She has successfully completed assessments on a variety of residential, commercial, and complex industrial sites. Ms. Solaegui is accustomed to all aspects of Due Diligence Property Assessments and the needs and requirements of a variety of reporting standards, including ASTM, EPA's All Appropriate Inquiry (AAI), Freddie Mac, Fannie Mae, HUD, and customized client formats.

Project experience for Ms. Solaegui includes:

- Phase I Environmental Site Assessments
- Property Condition Assessments
- Environmental Transaction Screens
- Environmental Transaction Analyses
- Regulatory Database Reviews
- Historical Records Reviews
- Project Coordination and Setup

As a National Client Manager, Ms. Solaegui provides senior author services, client management, and business development. Additional responsibilities include managing projects, providing quality control of work products, and mentorship of staff.

In addition, prior to joining the environmental service industry, Ms. Solaegui spent four years studying a broad range of environmental disciplines, including: natural resource management, environmental planning and environmental policy.