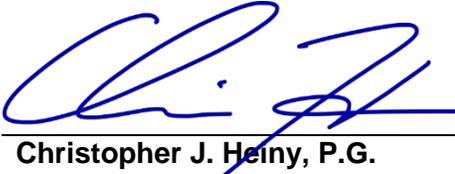


<b>Type of Services</b>	<b>Phase I Environmental Site Assessment Update</b>
<b>Location</b>	<b>4150 Point Eden Way Hayward, California</b>
<b>Client</b>	<b>CenterPoint Properties</b>
<b>Client Address</b>	<b>725 South Figueroa Street, Suite 3005 Los Angeles, California 90017</b>
<b>Project Number</b>	<b>950-1-2</b>
<b>Report Date</b>	<b>March 10, 2017</b>

  
**Prepared by Christopher J. Heiny, P.G.**  
Principal Geologist



  
**Peter M. Langtry, P.G., C.E.G.**  
Principal Geologist



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<b>Type of Services</b>	<b>Phase I Environmental Site Assessment Update</b>
<b>Location</b>	<b>4150 Point Eden Way Hayward, California</b>

## **SECTION 1: INTRODUCTION**

This report presents the results of the Phase I Environmental Site Assessment (ESA) Update performed at 4150 Point Eden Way in Hayward, California (Site) as shown on Figures 1, 2, and 3. This report updates our Phase I ESA dated May 18, 2016. This work was performed for CenterPoint Properties (CenterPoint), in accordance with our February 10, 2017 Agreement (Agreement).

### **1.1 PURPOSE**

The scope of work presented in the Agreement was prepared in general accordance with ASTM E 1527-13 titled, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process" (ASTM Standard). The ASTM Standard is in general compliance with the Environmental Protection Agency (EPA) rule titled, "Standards and Practices for All Appropriate Inquiries; Final Rule" (AAI Rule). The purpose of this Phase I ESA is to strive to identify, to the extent feasible pursuant to the scope of work presented in the Agreement, Recognized Environmental Conditions at the property.

As defined by ASTM E 1527-13, the term Recognized Environmental Condition means the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not Recognized Environmental Conditions.

Cornerstone Earth Group, Inc. (Cornerstone) understands that CenterPoint is considering purchasing the property located at 4150 Point Eden Way in Hayward, California for the construction an industrial development. We performed this Phase I ESA to support CenterPoint in evaluation of Recognized Environmental Conditions at the Site. This Phase I ESA is intended to reduce, but not eliminate, uncertainty regarding the potential for Recognized Environmental Conditions at the Site.

### **1.2 SCOPE OF WORK**

As presented in our Agreement, the scope of work performed for this Phase I ESA included the following:

- A reconnaissance of the Site to note readily observable indications of significant hazardous materials releases to structures, soil or ground water.

- Drive-by observation of adjoining properties to note readily apparent hazardous materials activities that have or could significantly impact the Site.
- Acquisition and review of a regulatory agency database report of public records for the general area of the Site to evaluate potential impacts to the Site from reported contamination incidents at nearby facilities.
- Review of readily available information on file at selected governmental agencies to help evaluate past and current Site use and hazardous materials management practices.
- Review of readily available maps and aerial photographs to help evaluate past and current Site uses.
- Preparation of a written report summarizing our findings and recommendations.

The limitations for the Phase I ESA Update are presented in Section 10; the terms and conditions of our Agreement are presented in Appendix A.

### **1.3 ASSUMPTIONS**

In preparing this Phase I ESA Update, Cornerstone assumed that all information received from interviewed parties is true and accurate. In addition, we assumed that all records obtained by other parties, such as regulatory agency databases, maps, related documents and environmental reports prepared by others are accurate and complete. We also assumed that the boundaries of the Site, based on information provided by CenterPoint, are as shown on Figure 2. We have not independently verified the accuracy or completeness of any data received.

### **1.4 ENVIRONMENTAL PROFESSIONAL**

This Phase I ESA was performed by Mr. Chris Heiny, P.G., and Mr. Peter Langtry, P.G., C.E.G, Environmental Professionals who meet the qualification requirements described in ASTM E 1527-13 and 40 CFR 312 § 312.10 based on professional licensing, education, training and experience to assess a property of the nature, history and setting of the Site.

## **SECTION 2: SITE DESCRIPTION**

This section describes the Site as of the date of this Phase I ESA Update. The general Site location is shown on Figure 1. A site map showing the historical features is shown on Figure 2, and a site map showing the current site conditions is shown on Figure 3. Tables 1 through 3 summarize general characteristics of the Site and adjoining properties. The Site is described in more detail in Section 7, based on our on-Site observations.

### **2.1 LOCATION AND OWNERSHIP**

Table 1 describes the physical location, and ownership of the property, based on information provided by CenterPoint.

**Table 1. Location and Ownership**

<b>Assessor's Parcel No. (APN)</b>	461-85-20-2
<b>Reported Address/Location</b>	4150 Point Eden Way, Hayward, California 94545
<b>Owner</b>	Oliver Properties, LLC.
<b>Approximate Lot Size</b>	7.32 Acres
<b>Approximate Bldg. Size</b>	11,500 ft <sup>2</sup>
<b>Construction Date</b>	At least 1939

**2.2 CURRENT/PROPOSED USE OF THE PROPERTY**

The current and proposed uses of the property are summarized in Table 2.

**Table 2. Current and Proposed Uses**

<b>Current Use</b>	Vacant Industrial
<b>Proposed Use</b>	Industrial

**2.3 SITE SETTING AND ADJOINING SITE USE**

Land use in the general Site vicinity appears to be primarily commercial and industrial, bordered to the west by marshlands connected to the San Francisco Bay. Based on our Site vicinity reconnaissance, adjoining Site uses are summarized below in Table 3.

**Table 3. Adjoining Site Uses**

<b>North</b>	California State Route 92 and Commercial buildings
<b>South</b>	Marsh and Salt Evaporation Ponds
<b>East</b>	Commercial buildings
<b>West</b>	Marsh and Salt Evaporation Ponds

**SECTION 3: USER PROVIDED INFORMATION**

The ASTM standard defines the User as the party seeking to use a Phase I ESA to evaluate the presence of Recognized Environmental Conditions associated with a property. For the purpose of this Phase I ESA, the User is CenterPoint. The "All Appropriate Inquiries" Final Rule (40 CFR Part 312) requires specific tasks be performed by or on behalf of the party seeking to qualify for Landowner Liability Protection under CERCLA (*i.e.*, the User).

Per the ASTM standard, if the User has information that is material to Recognized Environmental Conditions, such information should be provided to the Environmental Professional. This information includes: 1) specialized knowledge or experience of the User, 2) commonly known or reasonably ascertainable information within the local community, and 3) knowledge that the purchase price of the Site is lower than the fair market value due to contamination. A search of title records for environmental liens and activity and use limitations also is required.

**3.1 CHAIN OF TITLE**

A chain-of-title was not provided for our review.

### **3.2 ENVIRONMENTAL LIENS OR ACTIVITY AND USE LIMITATIONS**

An environmental lien is a financial instrument that may be used to recover past environmental cleanup costs. Activity and use limitations (AULs) include other environmental encumbrances, such as institutional and engineering controls. Institutional controls (ICs) are legal or regulatory restrictions on a property's use, while engineering controls (ECs) are physical mechanisms that restrict property access or use.

The regulatory agency database report described in Section 4.1 and the reports reviewed in Section 4.3 identified a Covenant and Environmental Restriction of Property (Deed Restriction) was recorded with the Alameda County Recorder's Office on December 23, 2014. This Deed Restriction was filed due to documented soil and ground water contamination resulting from a reported underground storage tank (UST) release. In summary, this Deed Restriction sets forth the following provisions:

- The property shall be used in a manner consistent with the 2014 Risk Management Plan (RMP, ASE, 2014).
- Any inhabited structure built on Site must be in compliance with the RMP.
- No excavations can be performed on Site except in compliance with the RMP.
- All future uses of the Site shall preserve the integrity of the cap, vapor barrier or ventilation system installed, or any remedial measures or remedial equipment installed.
- No water wells may be installed on-Site unless permitted by the Water Board.
- The Water Board shall be notified within 10 days if the cap, vapor barrier or ventilation system installed, or any remedial measures or remedial equipment installed are disturbed or compromised.
- All future purchase or lease agreements shall include specific language referencing the Deed Restriction and its provisions.

The environmental history, RMP, and Deed Restriction are further discussed in Section 4.3.

### **3.3 SPECIALIZED KNOWLEDGE AND/OR COMMONLY KNOWN OR REASONABLY ASCERTAINABLE INFORMATION**

Based on information provided by or discussions with CenterPoint, we understand that CenterPoint does not have specialized knowledge or experience, commonly known or reasonably ascertainable information regarding the Site, or other information that is material to Recognized Environmental Conditions.

## **SECTION 4: RECORDS REVIEW**

### **4.1 STANDARD ENVIRONMENTAL RECORD SOURCES**

Cornerstone conducted a review of federal, state and local regulatory agency databases provided by Environmental Data Resources (EDR) to evaluate the likelihood of contamination incidents at and near the Site. The database sources and the search distances are in general accordance with the requirements of ASTM E 1527-13. A list of the database sources reviewed, a description of the sources, and a radius map showing the location of reported facilities relative to the project Site are attached in Appendix B.

The purpose of the records review was to obtain reasonably available information to help identify Recognized Environmental Conditions. Accuracy and completeness of record information varies among information sources, including government sources. Record information is often inaccurate or incomplete. The Environmental Professional is not obligated to identify mistakes or insufficiencies or review every possible record that might exist with the Site. The customary practice is to review information from standard sources that is reasonably available within reasonable time and cost constraints.

#### 4.1.1 On-Site Database Listings

The Site (identified as “Oliver Trust”, “Old Oliver Salt Plant”, “Oliver Salt Ponds”, and “16353 RB2” in the database) was listed in several of the regulatory agency databases searched as listed in Table 4.

**Table 4. On-Site Database Listings**

Database Listing	Comments
FINDS	Listing related to the documented leaking underground storage tank.
CA HIST CORTESE	Listing related to the documented leaking underground storage tank.
CA DEED	Deed restriction recorded on December 23, 2014 related to the documented soil and ground water impacts on-Site.
CA RGA LUST	Listing related to the documented leaking underground storage tank.
CA LUST	Listing related to the documented leaking underground storage tank. Status lists the case as closed.
CA Alameda County CS	Listing related to the documented leaking underground storage tank.
CA HAZNET	Listings from 1998 for aqueous wastes with total organic residues less than 10 percent. This entry is likely related to the tank removal and early remedial efforts at the Site.

The database listings were related to the two leaking USTs discovered at the Site and subsequent remedial activities. The environmental history of the Site is discussed further in Section 4.3.

The Site was not identified in the orphaned property list. Orphaned properties are facilities listed in the database with poor location information. Our evaluation of the orphaned properties was based on the property name, address/location description, and/or zip code.

#### 4.1.2 Adjoining Property Database Listings and Nearby Spill Incidents

Adjacent properties were not identified in any of the researched regulatory agency databases. Additionally, based on the information presented in the agency database report, no off-Site spill incidents were reported that appear likely to significantly impact soil, soil vapor or ground water beneath the Site. The potential for impact was based on our interpretation of the types of incidents, the locations of the reported incidents in relation to the Site and the assumed ground water flow direction.

### 4.2 ADDITIONAL ENVIRONMENTAL RECORD SOURCES

The following additional sources of readily ascertainable public information for the Site also were reviewed during this Phase I ESA.

#### 4.2.1 City and County Agency File Review

Cornerstone requested available files pertaining to 4150 Point Eden Way, Hayward, California at the following public agencies: the Hayward Building Department (HBD), Hayward Fire Department (HFD), the Alameda County Department of Environmental Health (DEH), and the Water Board. The HBD contained building permits between 1951 and 1970 that pertained to building additions and demolitions. No indications of hazardous materials storage, spills, or leaks were indicated in these permits. The DEH files were similar in context to those researched with the Water Board. A summary of the key documents reviewed is provided below in Section 4.3.

#### 4.3 REVIEW OF PRIOR ENVIRONMENTAL REPORTS

**Table 5. Key Documents Reviewed**

Document Date	Title	Author
Unknown Date	“Oliver Brothers Salt Company” hand drawn Site map (Figure 2) and Former Under Ground Storage Tank Location (Figure 3)	H2OGEOL
November 10, 2005	Report of Additional Soil and Ground Water Assessment	Aqua Science Engineering (ASE)
July 28, 2008	Corrective Action Plan and Cost Analysis for Soil and Ground Water Remediation	ASE
August 20, 2008	Corrective Action Plan Addendum	ASE
June 25, 2009	Soil and Ground Water Remediation Report (Revised)	ASE
February 29, 2012	Soil Overexcavation Completion Report	ASE
January 28, 2013	Recommendation for Case Closure as a Low-Threat Underground Storage Tank Case and Updated Conceptual Site Model	ASE
December 6, 2013	Report of Additional Soil, Ground Water, and Soil Vapor Data Gap Assessment	ASE
January 28, 2014	Semi-Annual Ground Water Monitoring Report, December 2013 Ground Water Sampling	ASE
November 30, 2014	Risk Management Plan	ASE
December 22, 2014	Covenant and Environmental Restriction on Property	County of Alameda
February 27, 2015	Closure Letter for the Former Oliver Salt Facility, 4150 Point Eden Way, Hayward, Alameda County	Water Board
April 29, 2015	Phase I Environmental Site Assessment, 4150 Point Eden Way, Hayward, California	Cornerstone Earth Group
May 18, 2016	Phase I Environmental Site Assessment and Soil and Ground Water Quality Evaluation, 4150	Cornerstone Earth Group

Document Date	Title	Author
	Point Eden Way, Hayward, California	

### 4.3.1 Site History

The Site reportedly operated as a salt farm and salt processing facility until approximately 1981 when it was closed. Based on an undated hand-drawn map located in the ACDEH files, the Site consisted of a processing plant (main building, still present) and a shop. A salt pile reportedly was located approximately south of the processing plant, and rinsing ponds reportedly were located south of the salt pile and shop. Salt ponds were located to the south and west of the on-Site structures. Railroad tracks reportedly were located between the salt ponds, rinsing ponds, and storage ponds. These tracks were likely used to transport the salt from the salt ponds, to the rinsing ponds, and then to the processing plant. A gasoline-powered locomotive reportedly was used to move the railroad cars along the track, and an UST and associated pump reportedly was located adjacent and south of the shop, next to the railroad track. The southern approximately ¼ of the shop reportedly was used as a “train barn”. The historical Site features are presented in Figure 2.

### 4.3.2 Environmental Site History

The excavation areas, monitoring points, and other features related to the environmental site history are provided on Figure 3.

In approximately April 1998, one 500-gallon diesel UST was removed from the Site. During removal and overexcavation, a second 100-gallon gasoline UST reportedly was discovered. In May 1998, this second UST reportedly was removed. Both tanks reportedly were severely corroded when removed. After removal, diesel-range petroleum hydrocarbons (TPHd), gasoline-range TPH (TPHg), and fuel-related volatile organic compounds (VOCs; benzene, toluene, ethylbenzene, and xylenes [BTEX]) were detected in samples collected from the stockpiled soil and from the base of the excavations.

In September 1998, soil and ground water grab samples reportedly were collected from four borings advanced near the former UST locations. Elevated soil and ground water concentrations of TPHd, TPHg, and BTEX were detected in the samples collected from adjacent and beneath the former UST locations. In July 1999, approximately 529 tons of petroleum-contaminated soil was excavated from the former tank pit area. Confirmation soil sampling reportedly confirmed that TPHd and BTEX impacts remained. Additional soil reportedly was excavated in October 1999 and August 2000, and confirmation soil sampling collected from the excavation sidewalls and base reportedly indicated that petroleum-related impacts remained. In September 2000, an additional approximately 1,045 tons of soil was overexcavated from the Site.

In October 2000, an additional Site investigation was performed that reportedly consisted of exploratory trenching, sampling, and analyses. Results from this investigation indicated that the extent of contamination was “*more extensive than originally anticipated*” and that the treatment of soil using bioremediation was proposed.

Between September 2001 and April 2002, approximately 8,000 cubic yards of soil was excavated, bioremediated on-Site, and then backfilled in the original excavation. The bioremediation consisted of mixing the impacted soil with mushroom compost prior to

backfilling. Ground water reportedly infiltrated the excavation pit and was pumped to the sanitary sewer system under permit. Following this initial remediation, several “hot spots” reportedly were discovered that were subsequently excavated, bioremediated, and backfilled.

Between August 2002 and August 2005, ASE performed a series of Site investigations to further document the extent of soil and ground water impacts. In their November 2005 report, ASE defined the contaminants of potential concern (COPC) as TPHd, TPHg, and BTEX. ASE also determined that the extent of COPC impacts was defined and appeared to be limited to the Site.

In June 2006, ASE advanced 14 soil borings in areas where elevated COPC were previously documented. Benzene was detected at concentrations ranging between 0.62 and 5.8 milligrams per kilogram (mg/kg) in soil samples collected from four borings advanced east of the former excavation area. The current residential and commercial ESLs<sup>1</sup> for benzene are both 0.044 mg/kg. Slightly elevated TPHg and benzene concentrations were also detected from samples collected from the depth of the former excavation. Elevated TPHg, TPHd, and BTEX concentrations (concentrations exceeding ESLs) were also detected in the ground water grab samples collected from these borings advanced east of the former excavation area.

Based on the COPC detected in ground water samples, ASE submitted a Corrective Action Plan (CAP) in 2006. The CAP recommended ground water remediation using oxygen releasing compounds (ORC). No documentation was readily available pertaining to the Water Board’s response to this document.

Between November 2006 and April 2007, ASE performed a series of site assessments to further delineate the vertical extent of COPC in ground water. Soil samples were collected at depths between approximately 20 and 30 feet, and no COPC were detected. COPC were detected in the deeper ground water grab samples collected, with TPHd up to 4,600 micrograms per liter ( $\mu\text{g/L}$ ), TPHd up to 19,000  $\mu\text{g/L}$  (ESL = 100  $\mu\text{g/L}$ ), benzene up to 4,500  $\mu\text{g/L}$  (ESL = 1  $\mu\text{g/L}$ ), toluene up to 3,400  $\mu\text{g/L}$  (ESL = 40  $\mu\text{g/L}$ ), ethylbenzene up to 230  $\mu\text{g/L}$  (ESL = 30  $\mu\text{g/L}$ ), and xylenes up to 1,000  $\mu\text{g/L}$  (ESL = 20  $\mu\text{g/L}$ ). In addition, four monitoring wells (MW-1 through MW-4) were installed at the Site.

In July 2008, ASE submitted a CAP that presented the results of the 2006 and 2007 Site assessments and evaluated various remedial technologies for the Site. Based on this evaluation, ASE recommended bioremediation and chemical oxidation using ORC Advanced/RegenOx. A CAP Addendum was submitted in August 2008 that provided an expanded description of the proposed remedial injections.

In October and November 2008, the CAP was implemented by treating the in-situ soil with RegenOx and ORC. Prior to treatment, approximately 5 feet of clean overburden soil within the treatment areas was removed to expose the underlying impacted soil. Monitoring wells MW-1 through MW-3 were destroyed to accommodate the remedial activities. Between October 27 and November 6, 2008, the impacted soil was treated with RegenOx and ORC using a Lang Tool. The Lang tool has a rotating head that reportedly disturbs the soil while applying the RegenOx and ORC treatments. The soil was reportedly treated from depths of approximately 5 feet to 20 feet.

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<sup>1</sup> Environmental Screening Level (ESL), San Francisco Bay, Regional Water Quality Control Board, February 2016.  
4150 Point Eden Way,  
Hayward, California  
950-1-2

In December 2008, four confirmation borings (CB-1 through CB-4) were advanced in the previously treated area of the Site. Soil samples collected from borings CB-1 and CB-2, (located south of the former excavation and east of the former excavation, respectively) showed significant decreases in COPC concentrations in the soil samples collected. Soil samples collected from CB-2 and CB-3 (located east of the former excavation area and south of CB-4) did not show a significant decrease in COPC concentrations. Ground water grab samples collected from CB-2, CB-3, and CB-3 detected concentrations of TPHg up to 3,200 µg/L, TPHd up to 810 µg/L, benzene up to 480 µg/L, toluene up to 470 µg/L, ethylbenzene up to 72 µg/L, and xylenes up to 520 µg/L.

In October 2009, the two existing ground water supply wells on-Site were abandoned by mechanically perforating the steel well casing of each well and filling with neat cement grout using a tremie pipe.

In October and November 2009, ground water monitoring wells MW-5 through MW-12 were installed on Site. Monitoring wells MW-7 and MW-9 were located within the most recent remediation area to monitor the effectiveness of the remediation. The remaining wells were located in areas surrounding the entirety of the remedial and excavation areas to monitor the extent and stability of the COPCs detected in ground water. The new monitoring wells along with MW-4 were monitored on an approximately semi-annual basis between November 2009 and December 2013. Results from these events are summarized below:

- Ground water elevations indicate flow to the south-southwest.
- COPC were not detected in wells MW-4, MW-5, MW-8, MW-10, and MW-11.
- The greatest COPC concentrations were detected in MW-9. During the last documented sampling event (December 23, 2013), TPHg was detected at a concentration of 12,000 µg/L, benzene at 2,800 µg/L, toluene at 44 µg/L, ethylbenzene at 500 µg/L, and xylenes at 1,300 µg/L. Significant COPC concentrations were also detected in samples from wells MW-7 and MW-12. MW-7 was located at the southwestern end of the former 2008 treatment area, MW-9 was located in the area of the former storage trailer, and MW-12 was located west of the former excavation area. The 2015 drinking water MCLs (CDPH, 2015) are 1.0 µg/L (benzene), 150 µg/L (toluene), 300 µg/L (ethylbenzene), and 1,750 µg/L (xylenes); the 2013 ground water ESLs (Water Board, 2013) are 100 µg/L (TPHg and TPHd), 1.0 µg/L (benzene), 40 µg/L (toluene), 30 µg/L (ethylbenzene), and 20 µg/L (xylenes).
- Based on the data presented in the last monitoring report (ASE, 2014), the plume appears to be restricted to the ground water beneath the Site as evidenced by COPCs not detected in wells MW-4, MW-5, MW-8, MW-10, and MW-11.

In October 2012, ASE installed four soil vapor probes (SVS-1 through SVS-4) to depths of approximately 5 feet each. Probes SVS-1 and SVS-2 were installed within the former on-site chemical oxidation remediation area on the eastern portion of the Site; SVS-3 was installed in the former overexcavation remediation area; and SVS-4 was installed near monitoring well MW-12 in the western portion of the Site where no remediation has previously taken place. Results indicated the following:

- TPHg was detected at concentrations ranging between 12,000 µg/m<sup>3</sup> (SVS-4) and 3,400,000 µg/m<sup>3</sup> (SVS-1); the commercial soil vapor ESL for TPHg is 100,000 µg/m<sup>3</sup>.
- Benzene was detected at concentrations ranging between 72 µg/m<sup>3</sup> (SVS-4) and 18,000 µg/m<sup>3</sup> (SVS-1); the commercial soil vapor ESL for benzene 420 µg/m<sup>3</sup>.

- Toluene was detected at concentrations ranging between 51  $\mu\text{g}/\text{m}^3$  (SVS-4) and 48,000  $\mu\text{g}/\text{m}^3$  (SVS-1); the commercial soil vapor ESL for toluene is 1,300,000  $\mu\text{g}/\text{m}^3$ .
- Ethylbenzene was detected at concentrations ranging between 68  $\mu\text{g}/\text{m}^3$  (SVS-4) and 3,800  $\mu\text{g}/\text{m}^3$  (SVS-1); the commercial soil vapor ESL for ethylbenzene is 4,900  $\mu\text{g}/\text{m}^3$ .
- Xylenes was detected at concentrations ranging between 47  $\mu\text{g}/\text{m}^3$  (SVS-4) and 62,000  $\mu\text{g}/\text{m}^3$  (SVS-1); the commercial soil vapor ESL for xylenes is 440,000  $\mu\text{g}/\text{m}^3$ .

In 2013, ASE prepared a *Recommendation for Case Closure as a Low-Threat Underground Storage Tank Case and Updated Conceptual Model*. ASE recommended closure on the basis that the release consisted only of petroleum, the release has been stopped, the extent of impacts has been defined, the secondary source has been removed to the extent practical, and water beneath the Site is not a potential drinking water source. ASE also cited that concentrations appeared to be trending down using data through 2012. However, the data collected in 2013 actually show concentrations trending up. In addition, the 2013 report indicated that a magnetometer survey was performed for the site in 2012 that reportedly cleared the Site of other buried metallic objects; however, no documents were available for review pertaining to this survey.

Prior to considering case closure under the Low-Threat Closure Policy, the Water board requested an additional investigation to 1) better document the lateral and vertical extent of impacts; 2) collect soil vapor samples for naphthalene; 3) evaluate the residual contamination in the adjacent wetlands; 4) document that the hydrocarbon concentrations are stable, and 5) preparation of a soil management plan that addresses direct contact of the soil by future utility workers. The results of this additional investigation were presented in a *Report of Additional Soil, Ground Water, and Soil Vapor Data Gap Assessment* dated December 6, 2013 (ASE, 2013), and are summarized below

- Additional borings advanced near the western Site boundary did not detect petroleum hydrocarbon impacts in soil above their respective ESLs. In addition, no petroleum hydrocarbon impacts were detected in ground water grab samples collected. ASE concluded that the data further defined the horizontal and vertical extent of impacts, and documented that the hydrocarbon plume is limited to the Site and does not impact the adjacent wetlands.
- Soil vapor samples collected from two on-Site temporary vapor probes did not detect naphthalene.
- TPHg was detected at concentrations less than 100 mg/kg in three borings advanced across the former in-situ treatment area, and soil vapor samples collected from these locations detected oxygen at concentrations greater than 4%. These data reportedly met the Low-Threat Closure Policy requirements.
- The soil analytical results were compared to the Direct Exposure Soil Screening Levels – Construction/Trench Worker Exposure Scenario (ESLs Table K-3, Water Board, 2013). The concentrations detected during this assessment did not exceed these screening levels. ASE concluded that the “*current soil conditions...do not appear to present a threat to construction/trench workers at the Site*”.

In November 2014, ASE prepared a *Risk Management Plan (RMP)* that presented general protocols for managing soil and ground water at the site, and providing recommendations for soil vapor mitigation should any structures be constructed on-Site. The RMP established Restricted Areas east and west of the former over-excavation areas (Figure 3). These Restricted Areas were defined as areas where detectable concentrations of COPCs may be

present based on the previous soil and ground water sampling data. The RMP is presented in Appendix E.

On December 23, 2014, a *Covenant and Environmental Restriction on Property* (“Deed Restriction”) was recorded with Alameda County (Appendix E). The Deed Restriction identified that the property was contaminated by petroleum products that leaked from the USTs used to fuel the gasoline powered locomotives operated by the Oliver Brothers Salt Company. In summary, the Deed Restriction requires the following:

- The property shall be used in a manner consistent with the 2014 RMP.
- Any inhabited structure built on Site must be in compliance with the RMP.
- No excavations can be performed on Site except in compliance with the RMP.
- All future uses of the Site shall preserve the integrity of the cap, vapor barrier or ventilation system installed, or any remedial measures or remedial equipment installed.
- No water wells may be installed on-Site unless permitted by the Water Board.
- The Water Board shall be notified within 10 days if the cap, vapor barrier or ventilation system installed, or any remedial measures or remedial equipment installed are disturbed or compromised.

The Water Board subsequently granted closure in a letter dated February 27, 2015 (Appendix E). The Water Board noted that the case does not meet all the criteria of the Low-Threat Closure Policy, but a no further action was still appropriate since the plume is defined and on-Site; the exposure pathways have been defined and assessed; pollutant sources have been reportedly removed or remediated at the Site; the ground water plumes appear to be decreasing; and the risk management measures appear appropriate. The Water Board noted that *“there may be residual petroleum-contaminated soil and ground water at the site that could pose an unacceptable risk as a result of future construction/development activities”* and *“proper management [of soil/ground water] may include sampling risk assessment, additional cleanup work, mitigation measures, or some combination of these tasks”*.

In April 2015, Cornerstone performed a Phase I ESA for the Site. The 2015 Phase I ESA identified the closed leaking UST case as a Controlled Recognized Environmental Condition. The Phase I recommended the collection of soil samples in areas not previously sampled.

On April 27, 2016, Cornerstone collected soil samples from 11 exploratory borings advanced to depths of up to approximately 5 feet and one ground water grab sample from a boring advanced within the approximate footprint of the former shop and train barn. In the soil samples analyzed, arsenic was detected at a concentration of 16 mg/kg in one sample, which exceeds the published background concentration of 11 mg/kg (Duverge, 2011). However, the calculated 95% Upper Confidence Limit (UCL) concentration for arsenic was below this background concentration. The remaining detected concentrations were below their respective residential screening criteria and/or background concentrations (metals).

TPHo, benzene, and 1,2-dichloroethane (1,2-DCA) were detected in the ground water grab sample analyzed at concentrations above their respective Tier 1 ground water ESL. The detected VOCs are consistent with those previously detected and appear to be due to residual impacts within the up-gradient Restricted Area that is managed under the RMP and Deed Restriction.

### 4.3.3 Division of Oil, Gas and Geothermal Resources Maps

To evaluate the presence of oil or gas wells on-Site and in the immediate Site vicinity, maps available on-line at the California Department of Conservation, Division of Oil, Gas, and Geothermal Resources (<http://www.consrv.ca.gov/dog>) were reviewed. Review of the available map for the Site area did not show oil or gas wells on-Site or on the adjacent properties.

## SECTION 5: PHYSICAL SETTING

We reviewed readily available geologic and hydrogeologic information to evaluate the likelihood that chemicals of concern released on a nearby property could pose a significant threat to the Site and/or its intended use.

### 5.1 RECENT USGS TOPOGRAPHIC MAP

A 1993 USGS 7.5 minute topographic map was reviewed to evaluate the physical setting of the Site. The Site's elevation is approximately 7 feet above mean sea level; topography in the vicinity of the Site is generally flat.

### 5.2 HYDROGEOLOGY

Based on the wells previously installed at the Site, the shallow ground water is present at depth of approximately 4 to 7 feet. Ground water flow is generally to the south-southwest (towards the San Francisco Bay). In 2016, Cornerstone encountered ground water at a depth of approximately 12 feet.

## SECTION 6: HISTORICAL USE INFORMATION

The objective of the review of historical use information is to develop a history of the previous uses of the Site and surrounding area in order to help identify the likelihood of past uses having led to Recognized Environmental Conditions at the property. The ASTM standard requires the identification of all obvious uses of the property from the present back to the property's first developed use, or back to 1940, whichever is earlier, using reasonably ascertainable standard historical sources.

### 6.1 HISTORICAL SUMMARY OF SITE

The historical sources reviewed are summarized below. The results of our review of these sources are summarized in Table 6.

- **Historical Aerial Photographs:** We reviewed aerial photographs dated between 1939 and 2012 obtained from EDR of Milford, Connecticut; copies of aerial photographs reviewed are presented in Appendix C.
- **Historical Topographic Maps:** We reviewed USGS 15-minute and 7.5-minute historic topographic maps dated 1899, 1915, 1948, 1959, 1968, 1973, 1980, 1993 ; copies of historic topographic maps reviewed are presented in Appendix C.
- **Historical Fire Insurance Maps:** EDR reported that the Site was not within the coverage area of fire insurance maps.

- **Local Street Directories:** We reviewed city directories obtained from EDR that were researched at approximately 5 year intervals between 1920 and 2013 to obtain information pertaining to past Site occupants. The city directory summary is presented in Appendix D.

**Table 6. Summary of Historical Source Information for Site**

Date	Source	Comment
1899 and 1915	Topographic maps	No structures are shown on-Site.
1939 and 1946	Aerial photograph	The current on-Site salt production facility is shown, with evaporation pond and a large salt pile behind the production facility. Three rectangular structures are present immediately south, east, and south east of the production facility. What appears to be a rail line is present parallel to the eastern and southern boundaries. A large salt pile is present to the south of the production facility.
1958, 1966, 1968, and 1974	Aerial photograph	The on-Site production facility, salt pile, and evaporation ponds remain. The shop building is present to the southwest of the production facility. What appear to be berms are present between the evaporation ponds. Rail lines are present along the berms and travel towards the shop building and production facility. A structure is also present along the easternmost extension of the rail line adjacent to the eastern property boundary.
1948, 1959, 1968, 1973, 1980	Topographic maps	The Site is shown within the largely undeveloped marsh area west of Hayward.
1979	City Directory	George Balcita listed as occupant.
1982	Aerial photograph	The shop and production buildings are depicted, but no activity appears to be taking place on-Site.
1982	City Directory	George Balcita listed as occupant.
1993	Topographic map	On-site structures no longer shown
1993, 1998	Aerial photograph	The Site features are similar to the 1982 aerial photograph.
2005	Aerial Photograph	The production facility is present, but the shop building is no longer depicted. What appears to be a large excavation filled with water and stockpiled soil to the south and west of the excavation is shown. Vehicles or equipment appear to be parked in the flat area to the east of this excavation.
2009, 2010, 2012	Aerial photograph	Site appears to have been graded and possibly covered with gravel. The former production facility remains on-Site. No activities are apparent in these aerial photographs.

## 6.2 HISTORICAL SUMMARY OF SITE VICINITY

Based on our review of the information described in Section 6.1, the general history of the Site vicinity is summarized below.

### 1899 and 1915

The 1899 and 1915 topographic maps show the site to be in an undeveloped area map area. The city of Hayward is shown to the northeast of the site.

### **1939 and 1974**

On the 1939 and 1974 aerial photographs and topographic maps, the Site vicinity appears to be a mix of marsh, undeveloped, and commercial development north and south of the Site.

### **1982 to 2012**

The 1982 aerial photograph shows an increase in what appears to be mainly commercial development in the Site vicinity. The topographic maps reviewed do not show structures after 1980. The subsequent aerial photographs show further increases in mainly commercial development and corresponding decreases in undeveloped land.

## **SECTION 7: SITE RECONNAISSANCE**

We performed a Site reconnaissance to evaluate current Site conditions and to attempt to identify Site Recognized Environmental Conditions. The results of the reconnaissance are discussed below. Additional Site observations are summarized in Table 7 in Section 7.2. Photographs of the Site are presented in Section 7.2.1.

### **7.1 METHODOLOGY AND LIMITING CONDITIONS**

To observe current Site conditions (readily observable environmental conditions indicative of a significant release of hazardous materials), Cornerstone staff Mr. Christopher J. Heiny, P.G. visited the Site on February 28, 2017 and was unaccompanied. The Site reconnaissance was conducted by walking representative areas of the Site, the periphery of the structure and the Site periphery. Cornerstone staff only observed those areas that were reasonably accessible, safe, and did not require movement of equipment, materials or other objects. The interior the on-Site structure was determined to be unsafe for entry and, therefore, was not accessed during our visit. Physical obstructions that limited our ability to view the ground surface at the Site included scattered debris around the structure, tall grasses and weeds.

### **7.2 OBSERVATIONS**

The purpose of our Site visit was to note significant changes compared to our previous Site visit conducted on March 31, 2016. Overall, the Site was very similar to this previous visit. A description of the Site is included below.

At the time of our Site visit, the Site was observed to consist of a dilapidated building, adjacent gravel-covered areas, vacant grass-covered areas, two pond areas, and a drainage ditch. The Site was unoccupied at the time of our visit.

The Site was observed to be nearly flat except for the pond and drainage ditch areas which were lower in elevation compared to the remainder of the Site. No standing water was observed in these areas. The gravel-covered area to the south of the building correlated with the approximate location of the 2008 remedial excavations. South and west of this area we observed wood debris, empty two empty steel drums, and empty buckets. One of the buckets was labeled as formerly containing RegenOx, which was the product used during the 2008 remedial efforts. The wood debris appeared to have been from the former structures on Site. The drums were unlabeled.

The on-Site structure was observed to be constructed of wood and steel. At the time of our visit, the structure was observed to be in very poor condition. The doors and other access

points to the interior of the structure were either locked or boarded closed. As such, we did not attempt to enter the structure. However, we were able to view the middle interior area of the structure. The visible area consisted of what appeared to be a concrete floor, wooden support beams, and wooden walls. A hole was noted in the roof. Tires, a boat, and other miscellaneous debris were observed within this area.

Scattered wood, metal, plastic, and concrete debris were observed surrounding the periphery of the structure. Many of these debris likely originated from the structure. A grate covering what appeared to be a storm drain was observed at the northeast corner of the structure. Two ramps constructed of soil that connected to the former loading docks were observed on the northern side of the structure. A depression filled with water was observed along the western side of the building.

**Table 7. Summary of Readily Observable Site Features**

General Observation	Comments
Aboveground Storage Tanks	Not Observed
Agricultural Wells	Not Observed
Air Emission Control Systems	Not Observed
Boilers	Not Observed
Burning Areas	Not Observed
Chemical Mixing Areas	Not Observed
Chemical Storage Areas	Not Observed
Clean Rooms	Not Observed
Depressions	Observed – a depression filled with water was observed along the western side of the structure.
Drainage Ditches	Observed – drainage ditches were observed along the western side of the Site.
Drums	Observed – two empty drums of unknown origin were observed southeast of the building.
Elevators	Not Observed
Emergency Generators	Not Observed
Equipment Maintenance Areas	Not Observed
Fill Placement	Observed – the ramps leading to the loading dock were constructed of fill material and the former fill areas from the 2008 remedial activities were observed.
Ground Water Monitoring Wells	Not Observed
High Power Transmission Lines	Not Observed
Hoods and Ducting	Not Observed
Hydraulic Lifts	Not Observed
Incinerator	Not Observed
Petroleum Pipelines	Not Observed
Petroleum Wells	Not Observed
Ponds or Streams	Observed – two dry ponds formerly used for evaporation ponds were observed along the southern side of the Site.
Railroad Lines	Not Observed
Row Crops or Orchards	Not Observed
Stockpiles of Soil or Debris	Not Observed
Sumps or Clarifiers	Not Observed
Transformers	Not Observed
Underground Storage Tanks	Not Observed
Vehicle Maintenance Areas	Not Observed
Vehicle Wash Areas	Not Observed
Wastewater Neutralization Systems	Not Observed

The comment "Not Observed" does not warrant that these features are not present on-Site; it only indicates that these features were not readily observed during the Site visit.

## 7.2.1 Site Photographs



Photograph 1: View of the northern side of the structure.



Photograph 2: View of rear of building.



Photograph 3: Rear of building showing scattered debris.



Photograph 4: Western side of building.

## **SECTION 8: ENVIRONMENTAL QUESTIONNAIRE AND INTERVIEWS**

### **8.1 ENVIRONMENTAL QUESTIONNAIRE / OWNER INTERVIEW**

To help obtain information on current and historical Site use and use/storage of hazardous materials on-Site, we provided an environmental questionnaire to CenterPoint, and they were asked to forward the questionnaire to the Site owner for completion. The completed questionnaire was not returned to us as of the date of this report.

### **8.2 INTERVIEWS WITH PERSON(S) KNOWLEDGEABLE OF SITE USE**

Contact information for persons knowledgeable of existing and prior site uses was not provided to us prior to or at the Site visit.

### **8.3 INTERVIEWS WITH PREVIOUS OWNERS AND OCCUPANTS**

Contact information for previous Site owners and occupants was not provided to us. Therefore, interviews with previous Site owners and occupants could not be performed.

## **SECTION 9: FINDINGS, OPINIONS AND CONCLUSIONS (WITH RECOMMENDATIONS)**

Cornerstone performed this Phase I ESA in general accordance to ASTM E1527-13 to support CenterPoint in evaluation of Recognized Environmental Conditions. Our findings, opinions and conclusions are summarized below.

### **9.1 HISTORICAL SITE USAGE**

The Site reportedly operated as a salt farm and salt processing facility until approximately 1981 when it was closed. The Site reportedly consisted of a processing plant (main building, still present) and a shop (previously demolished). A salt pile was reportedly located approximately south of the processing plant, and rinsing ponds were reportedly located south of the salt pile and shop. Salt ponds were located to the south and west of the on-Site structures. Railroad tracks were reportedly located between the salt ponds, rinsing ponds, and storage ponds. These tracks were likely used to transport the salt from the salt ponds, to the rinsing ponds, and then to the processing plant. A gasoline-powered locomotive was reportedly used to move the railroad cars along the track, and an UST and associated pump was reportedly located adjacent and south of the shop, next to the railroad track. The southern approximately ¼ of the shop was reportedly used as a “train barn”. The Site has reportedly been vacant since closure.

### **9.2 CHEMICAL STORAGE AND USE**

The documents reviewed indicate two USTs were present on Site that consisted of one 500-gallon diesel UST and one 100-gallon gasoline UST. Both USTs were reportedly removed in 1998. As discussed below, impacts from these USTs were reportedly detected in soil and ground water samples subsequently collected.

The Site reportedly had a shop building and approximately one-third of the building was used as a train barn. On April 27, 2016, Cornerstone collected one ground water grab sample within the approximate footprint of this former structure. Benzene, TPHo, and 1,2-DCA were detected in

this sample at concentrations above their tier 1 ESL. The benzene concentrations are similar to those previously detected in samples collected from nearby monitoring wells. As such, the VOC detections in the April 2016 ground water grab sample appear to be due to the residual impacts within the up-gradient Restricted Zone that is already managed under the RMP and Deed Restriction.

### **9.3 FORMER USTS**

The documents reviewed indicate two USTs were present on Site that consisted of one 500-gallon diesel UST and one 100-gallon gasoline UST. Both USTs were reportedly removed in 1998. Petroleum-related impacts were detected in the underlying soil and ground water after removal. Subsequent remedial activities were conducted between 1999 and 2008. Soil sampling conducted in 2013 indicated that there are additional areas outside of the areas remediated where elevated concentrations of COPC remain. In addition, elevated COPC concentrations were also detected in samples collected from temporary soil vapor probes in 2012, and in ground water monitoring well samples collected in 2013. These latest soil, soil vapor, and ground water samples collected by ASE indicate the presence of residual contamination beneath the Site. As mentioned, benzene, TPHo, and 1,2-DCA were detected in the ground water grab sample collected by Cornerstone, and are likely due to this residual up-gradient source. The UST case received regulatory closure citing the apparent stability of the plume, defined horizontal and vertical extent of the plume, and the anticipated future land use. However, the Water Board did acknowledge that residual soil and ground water contamination remains beneath the Site, and additional risk assessment, evaluations, and/or remediation may be required for future developments.

### **9.4 SOIL, GROUND WATER, AND SOIL VAPOR QUALITY**

Soil and ground water sampling initiated at the Site in 1998 after the discovery of a 500-gallon diesel UST and a 100-gallon gasoline UST. These samples indicated the presence of petroleum-related compounds (TPHd, TPHg, and BTEX) in the soil and ground water. Between 1999 and 2008, several remedial events were conducted at the Site.

After the remedial efforts were complete, in 2012, soil vapor samples were collected from four temporary soil vapor probes. Results from these samples indicated elevated TPHg and BTEX concentrations were detected in soil vapor beneath the Site.

In December 2013, additional soil samples were collected from locations outside of the areas previously remediated. Results from some of these samples indicated that elevated concentrations of petroleum-related compounds were present outside of these formerly-remediated areas. A RMP was subsequently submitted in 2014 that established Restricted Areas around these locations with reported residual soil impacts.

The last ground water sampling event was conducted by ASE in December 2013. Results from this event detected concentrations of TPHg, benzene, ethylbenzene, and xylenes above their respective ESL or MCL in several samples collected. Although concentrations of these compounds have decreased overall, there appears to be residual TPHg and BTEX concentrations that exceed the ESL and/or MCL thresholds.

Cornerstone collected soil samples from the former evaporation ponds and along the transport rail alignments in April 2016. The detected concentrations were below their respective Tier 1

ESLs and/or within published background concentration (metals). The 95% UCL calculated for arsenic was below its published background concentration. Based on these data, the former rail transport lines and evaporation ponds do not appear to have significantly impacted soil quality.

One ground water grab sample was collected at a location within the footprint of the former train barn and shop. The detected concentrations of benzene were consistent with those previously detected in samples collected from nearby monitoring wells, indicating the detections in the train barn ground water grab sample are likely due to the up-gradient residual source within the restricted zone.

## 9.5 CURRENT SITE CONDITIONS

During our Site visit, we observed the existing dilapidated structure that was secured with boards and locks. Because of access restriction and safety concerns, we did not attempt to enter the structure. We recommend that an environmental professional observe the interior of this building prior to demolition and the soil beneath the structure after demolition. If the structure cannot be rendered safe prior to demolition, then we recommend observing the soil condition within the footprint of the structure after demolition. If suspect conditions are observed, such as soil staining or chemical odors, we would recommend evaluating soil and soil vapor quality in the building area.

## 9.6 REGULATORY STATUS

A RMP was prepared by ASE in November 2014 (Appendix E). This RMP presented (1) general protocols for managing soil and ground water at the Site; (2) recommendations for soil vapor mitigations for any future structures; (3) Restricted Areas where detectable concentrations of COPCs may be present based on the previous soil and ground water sampling data.

On December 23, 2014, a Deed Restriction was recorded with Alameda County (Appendix E). The Deed Restriction identified that the property was contaminated by petroleum products that leaked from the USTs used to fuel the gasoline powered locomotives operated by the Oliver Brothers Salt Company. In summary, the Deed Restriction requires the following:

- The property shall be used in a manner consistent with the 2014 RMP.
- Any inhabited structure built on Site must be in compliance with the RMP.
- No excavations can be performed on Site except in compliance with the RMP.
- All future uses of the Site shall preserve the integrity of the cap, vapor barrier or ventilation system installed, or any remedial measures or remedial equipment installed.
- No water wells may be installed on-Site unless permitted by the Water Board.
- The Water Board shall be notified within 10 days if the cap, vapor barrier or ventilation system installed, or any remedial measures or remedial equipment installed are disturbed or compromised.

On February 18, 2015, the Water Board granted case closure for the Site (Appendix E). The Water Board noted that the case does not meet all the criteria of the Low-Threat Closure Policy, but a no further action was still appropriate since the plume is defined and on-Site; the exposure pathways have been defined and assessed; pollutant sources have been reportedly removed or remediated at the Site; the ground water plumes appear to be decreasing; and the risk management measures appear appropriate. The Water Board noted that *“there may be residual petroleum-contaminated soil and ground water at the site that could pose an*

*unacceptable risk as a result of future construction/development activities” and “proper management [of soil/ground water] may include sampling risk assessment, additional cleanup work, mitigation measures, or some combination of these tasks”.*

The Water Board will require notification of the planned construction activities and the measures to maintain a cap on the Site. Vapor intrusion mitigation measures for the future building also will need to be designed and presented to the Water Board for their review for compliance with the RMP.

## **9.7 SITE DEVELOPMENT CONSIDERATIONS**

### **9.7.1 Risk Management Plan Addendum**

We recommend preparing an RMP Addendum that presents the planned development, earthwork/grading, soil and ground water management protocol and vapor intrusion mitigation measures. The purpose of the RMP Addendum will be to provide more specific details regarding the development, and will propose any changes to the RMP to accommodate the proposed development. The RMP Addendum should describe earthwork required for geotechnical soil improvements, such as over-excavation and re-compaction of fills or other ground improvements. The RMP Addendum should be submitted to the Water Board for their review and approval prior to construction.

### **9.7.2 Imported Soil**

If the planned development will require importing soil for Site grading, we recommend documenting the source and quality of imported soil. The DTSC’s October 2001 Clean Fill Advisory provides useful guidance on evaluating imported fill.

## **9.8 ENVIRONMENTAL ATTORNEY**

We understand that CenterPoint proposes to purchase and develop the Site. Based on previous investigations, soil and ground water impacts likely remain at the Site. The Site also has a Deed Restriction and a RMP that will need to be considered during future development. The owner and lessee responsibilities with respect to these documents and the management of any soil, soil vapor, and/or ground water impacts will have to be considered for any future Site use or development.

## **9.9 ASBESTOS CONTAINING BUILDING BATERIALS (ACBMS)**

Due to the age of the on-Site structure(s), building materials may contain asbestos. If demolition, renovation, or re-roofing of the building is planned, an asbestos survey is required by local authorities and/or National Emissions Standards for Hazardous Air Pollutants (NESHAP) guidelines. NESHAP guidelines require the removal of potentially friable ACBMs prior to building demolition or renovation that may disturb the ACBM.

## **9.10 LEAD-BASED PAINT**

The Consumer Product Safety Commission banned the use of lead as an additive in paint in 1978. Based on the age of the building, lead-based paint may be present. If demolition is planned, the removal of lead-based paint isn’t required if it is bonded to the building materials.

However, if the lead-based paint is flaking, peeling, or blistering, it should be removed prior to demolition. In either case, applicable OSHA regulations must be followed; these include requirements for worker training, air monitoring and dust control, among others. Any debris or soil containing lead must be disposed appropriately.

### **9.11 DATA GAPS**

ASTM Standard Designation E 1527-13 requires the Environmental Professional to comment on significant data gaps that affect our ability to identify Recognized Environmental Conditions. A data gap is a lack of or inability to obtain information required by ASTM Standard Designation E 1527-13 despite good faith efforts by the Environmental Professional to gather such information. A data gap by itself is not inherently significant; it only becomes significant if it raises reasonable concerns. The following data gaps were identified:

- Contact information for the former occupants and owners of the Site was not provided to us. Thus, former occupants and owners were not interviewed during this study. The general environmental setting of the Site appears to have been established based on the information reviewed from other data sources. We do not consider this data gap to be significant.
- The on-Site building was not accessible due to safety concerns, which limited our ability to observe the interior of the building. This data gap has the ability to reduce our ability to identify RECs and, therefore, is considered significant. We recommend that an environmental professional observe the interior of this building prior to demolition and the soil beneath the structure after demolition. If the structure cannot be rendered safe prior to demolition, then we recommend observing the soil condition within the footprint of the structure after demolition.
- The environmental questionnaire provided for completion by the Site owner was not returned to us as of the date of this report. The general environmental setting of the Site appears to have been established based on the information reviewed from other data sources. We do not consider this data gap to be significant.

### **9.12 DATA FAILURES**

As described by ASTM Standard Designation E 1527-13, a 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 historical research objectives have not been met. Data failures are not uncommon when attempting to identify the use of a Site at five year intervals back to the first use or to 1940 (whichever is earlier). ASTM Standard Designation E 1527-13 requires the Environmental Professional to comment on the significance of data failures and whether the data failure affects our ability to identify Recognized Environmental Conditions. A data failure by itself is not inherently significant; it only becomes significant if it raises reasonable concerns. No significant data failures were identified during this Phase I ESA.

### 9.13 RECOGNIZED ENVIRONMENTAL CONDITIONS

Cornerstone has performed this Phase I ESA in general conformance with the scope and limitations of ASTM E 1527-13 of 4150 Point Eden Way, Hayward, California. This assessment revealed no Recognized Environmental Conditions<sup>2</sup>.

This assessment identified the following Controlled Recognized Environmental Conditions<sup>3</sup>:

- The Site is a closed leaking UST site that was granted closure by the Water Board in February 2015. Residual contamination remains in the soil, soil vapor, and ground water beneath the Site. The Water Board noted that future developments may require the proper management of soil and/or ground water, further risk assessment, additional cleanup work, mitigation measures, or some combination of these tasks.

This assessment identified no Historical Recognized Environmental Conditions<sup>4</sup>.

### SECTION 10: LIMITATIONS

Cornerstone performed this Phase I ESA to support CenterPoint, in evaluation of Recognized Environmental Conditions associated with the Site. CenterPoint, understands that no Phase I ESA can wholly eliminate uncertainty regarding the potential for Recognized Environmental Conditions to be present at the Site. This Phase I ESA is intended to reduce, but not eliminate, uncertainty regarding the potential for Recognized Environmental Conditions. CenterPoint, understands that the extent of information obtained is based on the reasonable limits of time and budgetary constraints.

Findings, opinions, conclusions and recommendations presented in this report are based on readily available information, conditions readily observed at the time of the Site visit, and/or information readily identified by the interviews and/or the records review process. Phase I ESAs are inherently limited because findings are developed based on information obtained from a non-intrusive Site evaluation. Cornerstone does not accept liability for deficiencies, errors, or misstatements that have resulted from inaccuracies in the publicly available information or from interviews of persons knowledgeable of Site use. In addition, publicly available information and field observations often cannot affirm the presence of Recognized Environmental Conditions; there is a possibility that such conditions exist. If a greater degree of confidence is desired, soil, ground water, soil vapor and/or air samples should be collected by Cornerstone and analyzed by a state-certified laboratory to establish a more reliable assessment of environmental conditions.

Cornerstone acquired an environmental database of selected publicly available information for the general area of the Site. Cornerstone cannot verify the accuracy or completeness of the

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<sup>2</sup> The presence or likely presence of hazardous substances or petroleum products on the Site: 1) due to significant release to the environment; 2) under conditions indicative of a significant release to the environment; or 3) under conditions that pose a material threat of a future significant release to the environment.

<sup>3</sup> A Recognized Environmental Condition that has been addressed to the satisfaction of the applicable regulatory agency with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls or restrictions.

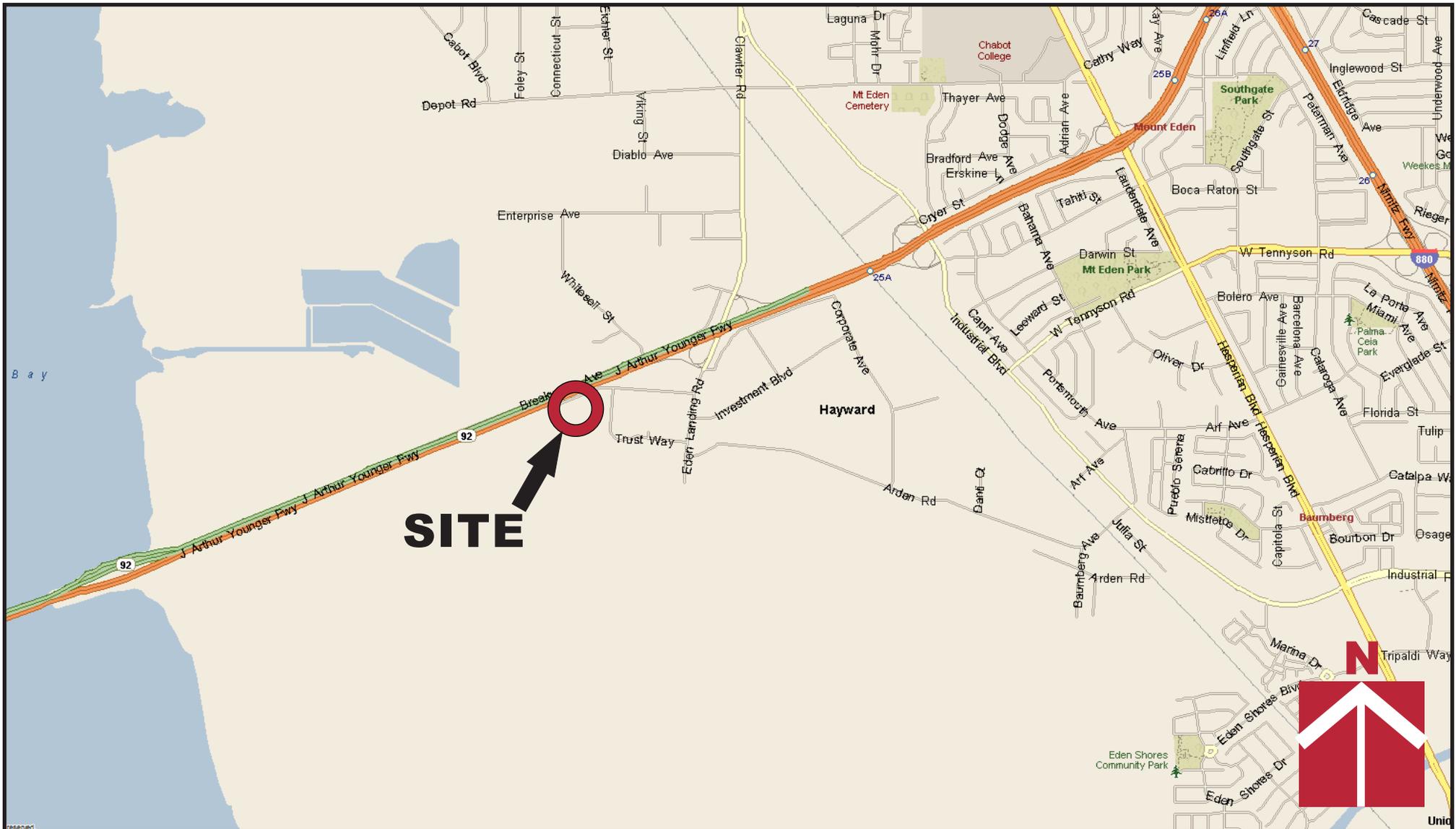
<sup>4</sup> A past Recognized Environmental Condition has been addressed to the satisfaction of the applicable regulatory agency or meeting of unrestricted use criteria established by the applicable regulatory agency without subjecting the Site to required controls or restrictions.

database report, nor is Cornerstone obligated to identify mistakes or insufficiencies in the information provided (ASTM E 1527-13, Section 8.1.3). Due to inadequate address information, the environmental database may have mapped several facilities inaccurately or could not map the facilities. Releases from these facilities, if nearby, could impact the Site.

CenterPoint may have provided Cornerstone environmental documents prepared by others. CenterPoint understands that Cornerstone reviewed and relied on the information presented in these reports and cannot be responsible for their accuracy.

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**CORNERSTONE**  
**EARTH GROUP**

**Vicinity Map**

**4150 Point Eden Way**  
**Hayward, CA**

Project Number

950-1-2

Figure Number

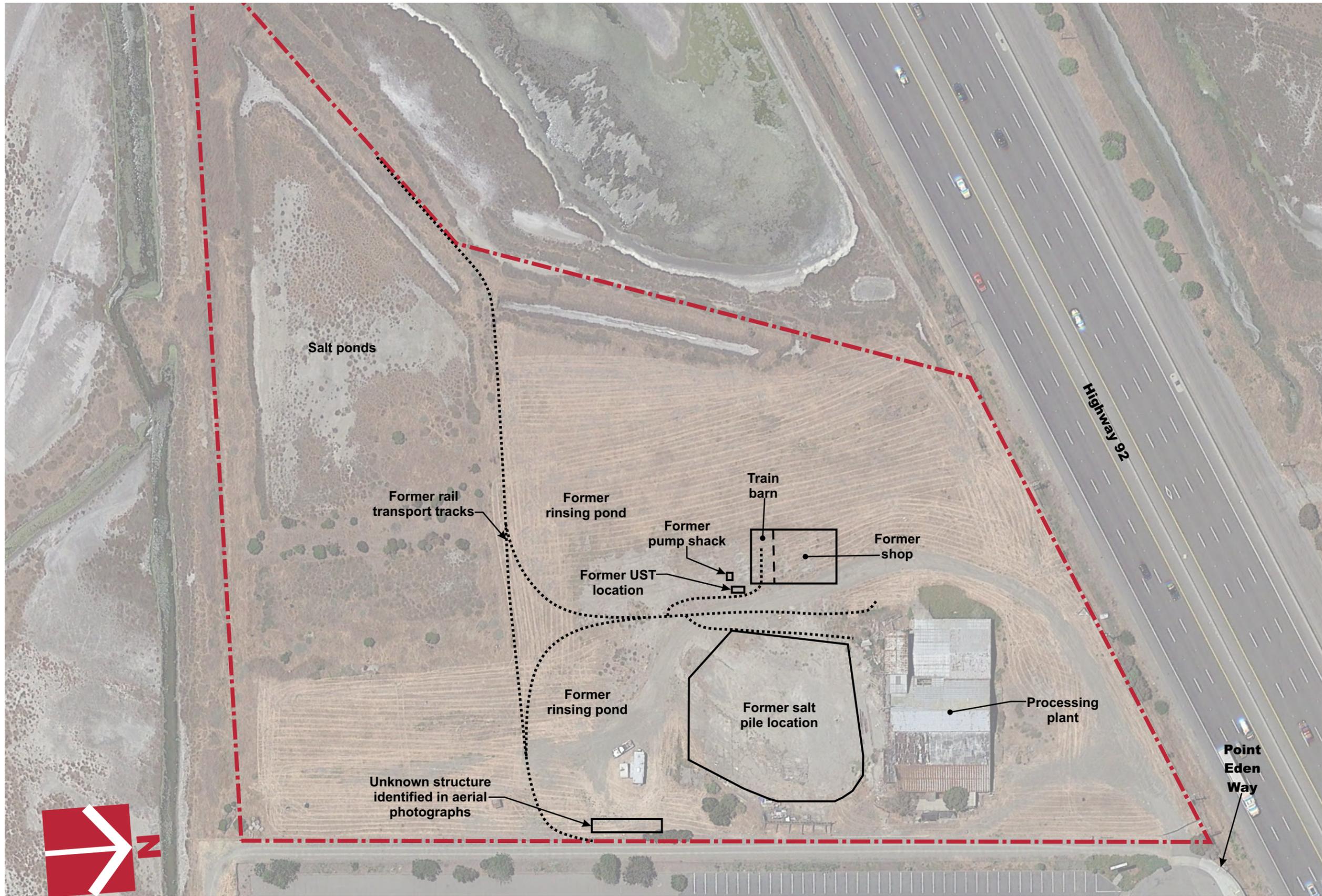
Figure 1

Date

April 2015

Drawn By

RRN



Site Plan showing Historical Site Features

4150 Point Eden Way  
Hayward, CA

**CORNERSTONE**  
**EARTH GROUP**



Project Number  
950-1-2

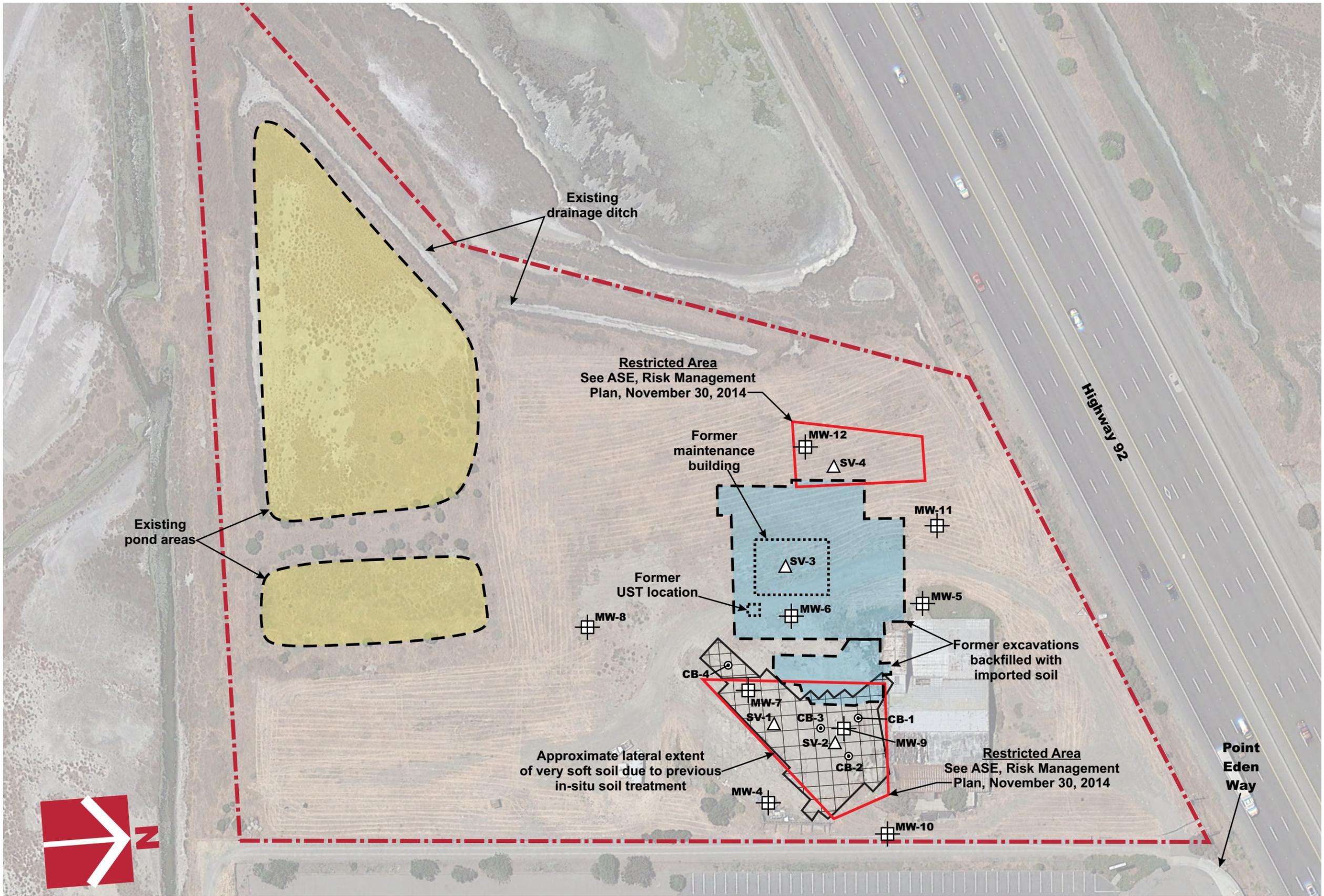
Figure Number  
Figure 2

Date  
April 2015

Drawn By  
RRN

0 80 160  
APPROXIMATE SCALE (FEET)

Base by Google Earth, dated 6/9/2014  
Overlay by Ware Malcomb, "Preliminary Site Plan - Sh. 1", dated 10/3/2014



- Legend**
- ⊕ Approximate location of previous monitoring well (MW) (ASE, 2007, 2009)
  - △ Approximate location of previous temporary soil vapor probe (SV) (ASE, 2012)
  - ⊙ Approximate location of previous confirmation soil boring (CB) (ASE, 2009)

Base by Google Earth, dated 6/9/2014  
 Overlay by Ware Malcomb, "Preliminary Site Plan - Sh. 1", dated 10/3/2014

Project Number	950-1-2
Figure Number	Figure 3
Date	April 2015
Drawn By	RRN

Site Plan showing Existing Features and Excavation Areas  
**4150 Point Eden Way  
 Hayward, CA**



**APPENDIX A – TERMS AND CONDITIONS**

**CORNERSTONE EARTH GROUP, INC.  
TERMS AND CONDITIONS**

**1. Agreement**

- 1.1 Cornerstone Earth Group, Inc.'s ("Cornerstone") services are defined by and limited to (a) those services (the "Work") described in the attached proposal, which is incorporated herein by this reference, and (b) these Terms and Conditions of Agreement ("Terms and Conditions"). Together, the proposal and Terms and Conditions form the "Agreement." This Agreement represents the entire agreement between the Client and Cornerstone (collectively, the "Parties") and supersedes all prior negotiations, representations, or agreements, either written or oral. The Agreement can only be amended by a written instrument signed by both the Client and Cornerstone. In the event that the Client authorizes the Work by means of a purchase order or other writing ("Confirmation"), it is expressly agreed that these Terms and Conditions shall apply, and any terms, conditions or provisions appearing in the Confirmation are void and inapplicable except to the extent the Confirmation authorizes the Work and binds the Client to this Agreement.
- 1.2. Failure to immediately enforce any provision in this Agreement shall not constitute a waiver of the right to enforce that provision or any other provision. No waiver by the Parties of a breach of any term or covenant contained in this Agreement, whether by conduct or otherwise, in any one or more instances shall be deemed to be or construed as a further or continuing waiver of any such breach or as a waiver of a breach of any other term or covenant in this Agreement.

**2. Scope of Services**

- 2.1 Cornerstone will serve the Client by providing professional counsel and technical advice based on information furnished by the Client. The Client will make available to Cornerstone all known information regarding existing and proposed conditions of the site, and will immediately transmit any new information that becomes available or any change in plans. The Client and Cornerstone agree that Cornerstone, its officers, directors, employees, agents and/or subcontractors shall not be liable for any claims, damages, costs, or losses arising from or in any way related to conditions not actually encountered during the course of Cornerstone's Work and Cornerstone shall not have any liability or responsibility for losses resulting from inaccurate or incomplete information supplied by the Client, and the Client agrees to defend and indemnify Cornerstone, its officers, directors, employees, agents and/or subcontractors against claims, damages, costs or losses arising therefrom. Cornerstone, its officers, directors, employees, agents and/or subcontractors shall not be liable for failing to discover any condition the discovery of which would reasonably require the performance of services not authorized by the Client.

**3. Terms of Payment**

- 3.1 The Client's obligation to pay for the Work is in no way dependent upon the Client's ability to obtain financing. The Client's obligation to pay for the Work is in no way dependent upon the Client's successful completion of the Client's project. No provision of this Agreement shall be construed to constitute a "Pay-When-Paid" clause or a "Pay-If-Paid" clause.
- 3.2 Payment for the Work shall be due and payable upon receipt of Cornerstone's invoice. To be recognized, any dispute over charges must be claimed in writing within thirty (30) calendar days of the billing date. Any dispute over an invoice amount shall not affect the Client's obligation to pay invoice amounts not in dispute. Amounts unpaid thirty (30) calendar days after the issue date of Cornerstone's invoice shall be assessed a service charge of 1 percent per month on balances outstanding.
- 3.3 Timely payment is a substantial condition of the Client's performance under this Agreement. Cornerstone may at its option withhold delivery of reports or other work product or suspend performance of the Work pending receipt of payments for all past due invoices and Cornerstone, its officers, directors, employees, agents and/or subcontractors shall have no liability to the Client for delay or damage caused because of such withholding or suspension. In the event that Cornerstone must take legal action to enforce this Agreement for payment for the Work performed and Cornerstone prevails, Cornerstone will be reimbursed by the Client for all expenses, including but not limited to reasonable attorney's fees and litigation costs.

**4. Standard of Care**

- 4.1 While performing the Work under this Agreement, Cornerstone shall exercise the degree of care and skill ordinarily exercised under similar circumstances by members of the environmental and geotechnical engineering consulting professions, as applicable, performing the kind of services to be performed hereunder and practicing in the same or similar locality at the same period of time.
- 4.2 Except for the express promise set forth in Subsection 4.1 herein, Cornerstone neither makes, nor offers, nor shall Cornerstone be liable to the Client for any express or implied warranties with respect to the performance of the Work.

**5. Force Majeure**

- 5.1 Cornerstone will diligently proceed with its services and will complete the Work in a timely manner, but it is expressly agreed to and understood by the Client that Cornerstone shall not be held responsible for delays occasioned by factors beyond its control, nor by factors which could not reasonably have been foreseen at the time of the execution of the Agreement between the parties.
- 5.2 Except for the obligation to pay for the Work performed and expenses incurred, neither Cornerstone nor the Client shall be liable for its failure to perform hereunder, in whole or in part, due to contingencies beyond its reasonable control, included, but not limited to, strikes or other concerted acts of workmen not in Cornerstone's employ, whether direct or indirect, riots, war, acts of terrorism, fire, floods, storms, washouts, acts of God or the public enemy, explosions, accidents, epidemics, breakdowns, injunctions, compliance with any law, regulation or order, whether valid or invalid, of the United States of America or any governmental body or any instrumentality thereof, whether now existing or hereafter created.

**6. Effect of Delay or Impediment to Work**

- 6.1 If any event occurs which causes or may cause Cornerstone: (a) to be impeded in its performance of the Services; or (b) to be delayed in the completion of the Work within the time provided in the attached proposal and/or in an applicable Change Order due to any act or omission of the Client, its officers, directors, employees and agents, or the Client's contractors, or due to any contingency beyond Cornerstone's control as provided in Section 5 herein, Cornerstone shall notify the Client in writing within ten (10) business days of the date on which Cornerstone becomes aware of such event.
- 6.2 The Client shall notify Cornerstone in writing of the Client's agreement or disagreement with Cornerstone's claim of an impediment or delay to performance within five (5) business days after receipt of Cornerstone's notice under Subsection 6.1. If the Client agrees with Cornerstone's claim, the time for performance of such requirement may be extended as mutually agreed in writing by the parties as provided in Subsection 1.1. If the Client disputes Cornerstone's assertion of an impediment or delay, such dispute shall be resolved pursuant to Section 17.
- 6.3 Impediments or delays to performance, addressed pursuant to this Section, shall not (a) constitute a breach hereunder; (b) give rise to any special right to terminate this Agreement; or (c) give rise to a claim by the Client for damages or other relief, if and to the extent that such impediment or delay is due to any act or omission of the Client, its officers, directors, employees and agents, or the Client's contractors, or due to any contingency beyond Cornerstone's control as provided in Section 5.

**7. Right of Entry**

- 7.1 Unless otherwise agreed in writing, the Client shall furnish and/or secure right of entry to the Site described in the proposal for Cornerstone personnel and equipment in order for Cornerstone to perform the Work. The Client shall waive any claim against Cornerstone, its officers, directors, employees, agents and/or subcontractors and agree to defend and indemnify Cornerstone, its officers, directors, employees, agents and/or subcontractors from any claims arising from entry onto the Site which is the subject of the Work.

7.2 The Parties acknowledge and agree that although Cornerstone will take reasonable precautions to minimize damage to property, including landscapes, hardscapes, crops and underground utilities, any and all damages, losses or expenses which could result from damage to such property due to Cornerstone's performance of the Work under this Agreement shall be the sole and exclusive responsibility of the Client provided that such damages, losses or expenses are not the result of Cornerstone's breach of the standard of care set forth in Subsection 4.1 herein. The Client shall indemnify, defend and hold harmless Cornerstone, its officers, directors, employees, agents and/or subcontractors from any damages, losses or expenses including, without limitation, attorney's fees, sustained or incurred by Cornerstone, its officers, directors, employees, agents and/or subcontractors as a result of any and all claims arising out of any damage to subsurface utilities due to Cornerstone's performance of the Work under this Agreement, provided that such claims are not the result of Cornerstone's breach of the standard of care set forth in Subsection 4.1 herein.

## **8. Monitoring of Construction**

8.1 The Client acknowledges and understands that unanticipated or changed conditions may be encountered during construction. There is a substantial risk to the Client and to Cornerstone if Cornerstone is not engaged to provide complete services, including but not limited to, construction observation services. Such risks include the increased likelihood of misinterpretation of Cornerstone's findings and conclusions and error in implementing recommendations by Cornerstone. If Client fails to retain Cornerstone to provide complete services, the Client agrees, notwithstanding any other provisions of this Agreement, to the fullest extent permitted by law, to indemnify and hold harmless Cornerstone, its officers, partners, employees and Cornerstones from and against any and all claims, suits, demands, liabilities, losses, damages or costs, including reasonable attorneys' fees and defense costs arising out of or in any way connected with the Work or arising out of implementing or interpreting Cornerstone's work product except when the Claim arises from the sole negligence of Cornerstone or where the Claim arises from the willful, wanton or reckless conduct of Cornerstone.

8.2 Cornerstone shall not be required to make exhaustive or continuous on-site observations to check the quality or quantity of the Work and shall not be responsible for any contractor's failure to carry out the work in accordance with the contract documents.

8.3 Cornerstone shall not be responsible for the acts or omissions of any contractor or subcontractor or any of the contractors' or subcontractors' agents or employees or other persons performing any work on the Project.

## **9. Changed Conditions**

9.1 If, during the term of this Agreement, circumstances or conditions that were not originally contemplated by or known to Cornerstone are revealed, to the extent that they affect the scope of services, compensation, schedule, allocation of risks or other material terms of this Agreement, Cornerstone may call for renegotiation of appropriate portions of this Agreement. Cornerstone shall notify the Client of the changed conditions necessitating renegotiation, and Cornerstone and the Client shall promptly and in good faith enter into renegotiation of this Agreement to address the changed conditions. If terms cannot be agreed to, the parties agree that either party has the absolute right to terminate this Agreement, in accordance with the termination provision hereof.

## **10. Jobsite Safety**

10.1 Neither the professional activities of Cornerstone nor the presence of Cornerstone or its employees, subconsultants and subcontractors shall relieve the Client or the Client's General Contractor of its obligations, duties and responsibilities, including, but not limited to, health and safety programs. Cornerstone and its personnel have no authority to exercise any control over the site or any construction contractor or its employees in connection with their work or any health or safety programs or procedures. The Client acknowledges and agrees that Cornerstone shall not be responsible for jobsite safety.

## **11. Hazardous Materials and Environmental Contamination**

11.1 The Client hereby warrants that if it knows or has any reason to assume or suspect that hazardous or toxic substances, or any other type of environmental hazard, contamination or pollution may exist at the Site, the Client will immediately inform Cornerstone to the best of the Client's knowledge of such hazardous or toxic substances, environmental hazard, contamination or pollution's type, quantity and location.

11.2 Cornerstone, its officers, directors, employees, agents and/or subcontractors shall have no title to, ownership of, or legal responsibility and/or liability for any and all contamination at the Site, including, but not limited to, the groundwater thereunder. "Contamination at the Site" includes but is not limited to any hazardous or toxic substance, or any other type of environmental hazard, contamination or pollution present at or under the Site, including, but not limited to the ground water thereunder, which is not brought onto the Site by Cornerstone, its officers, directors, employees, agents and/or subcontractors.

11.3 Cornerstone and the Client agree that the discovery of unanticipated Contamination at the Site may constitute a changed condition mandating renegotiation and/or termination of this Agreement. Cornerstone and the Client agree that the discovery of unanticipated Contamination at the Site may make it necessary for Cornerstone to take immediate measures to protect the public health, safety and the environment. The Client agrees that Cornerstone may take any or all measures that in Cornerstone's professional opinion are justified to preserve and protect the health and safety of Cornerstone's personnel, the public and the environment, and the Client agrees to compensate Cornerstone for the cost of such services.

11.4 The Client agrees to indemnify, defend and hold harmless Cornerstone, its officers, directors, employees, agents and/or subcontractors from any and all damages, losses or expenses, including, but not limited to, reasonable attorney's fees and legal costs connected therewith, liabilities, penalties and fines sustained by Cornerstone, its officers, directors, employees, agents and/or subcontractors as a result of any and all claim with respect to and arising out of any and all Contamination at the Site, provided that such claims are not the result of Cornerstone's breach of the standard of care set forth in Subsection 4.1 herein.

11.5 Subsurface sampling may result in unavoidable contamination of certain subsurface areas, as when a probe or boring is advanced or drilled through a contaminated area into a clean soil or water-bearing zone. Because of the risks posed by such work, and because subsurface sampling is often a necessary part of Cornerstone's Work, the Client hereby agrees to waive all claims against Cornerstone, its officers, directors, employees, agents and/or subcontractors with respect to and arising out of any and all subsurface sampling, including but not limited to claims relating to cross-contamination occurring because of such subsurface sampling, provided that such claims are not the result of Cornerstone's breach of the standard of care set forth in Subsection 4.1 herein.

## **12. Disposal of Samples and Drill Cuttings**

12.1 Unless mutually agreed in writing by the Parties as provided in Subsection 1.1 herein, Cornerstone shall hold samples collected during the performance of the Work no longer than thirty (30) calendar days after their date of collection. Drill cuttings and waste materials will be left on-Site. In the event that soil, rock, water, drill cuttings and/or other samples or materials are contaminated or are suspected to contain hazardous materials or other toxic substances hazardous or detrimental to public health, safety or the environment as defined by federal, state or local law, Cornerstone will, after completion of testing, notify the Client of the same in order for the Client to arrange for the disposal of the samples and/or materials. The Client recognizes and agrees that Cornerstone at no time assumes title to said samples and/or materials, and that the Client is responsible for the disposal of such samples and/or materials. The Client agrees to pay all costs associated with any storage, transport and/or disposal of samples and/or materials, and to defend and indemnify Cornerstone, its officers, directors, employees, agents and/or subcontractors from any and all claims arising out of or in any way related to the storage, transport and/or disposal of asbestos, hazardous or toxic substances, and/or pollutants, including but not limited to any samples and/or materials.

## **13. Use and Ownership of Documents**

13.1 All reports, letters, plans, figures, specifications, computer files, field data, logs, notes and other documents and instruments prepared by Cornerstone as instruments of service shall remain the property of Cornerstone. Cornerstone shall retain all common law, statutory and other reserved rights, including copyright thereto. In the event the Client, the Client's contractors or subcontractors, or anyone for whom the Client is legally liable makes or permits to be made any changes to reports, letters, plans, figures, specifications, computer files, field data, logs, notes and other documents prepared by Cornerstone without obtaining Cornerstone's prior written consent, the Client shall assume full responsibility for the results of such changes. Therefore, the Client agrees to waive any claim against Cornerstone and to release Cornerstone from any liability arising directly or indirectly from such changes. In addition, the Client agrees, to the

fullest extent permitted by law, to indemnify and hold harmless Cornerstone from any damages, liabilities or costs, including reasonable attorney's fees and costs of defense, arising from such changes.

The Client agrees that all reports, letters, plans, figures, specifications, computer files, field data, logs, notes and other documents and other services furnished to the Client or its agents and/or employees by Cornerstone, which are not paid for, shall be immediately returned upon demand and may not be used by the Client for any purpose. Any reports, letters, plans, figures, specifications, computer files, field data, logs, notes and other documents, advice or opinions provided by Cornerstone to the Client as part of the Work are provided for the sole and exclusive use of the Client for specific application to the Site detailed in this Agreement. Any third party use of any drafts, reports, letters, plans, figures, specifications, computer files, field data, logs, notes and other documents, advice or opinion of Cornerstone is the sole responsibility of the Client.

**14. Insurance**

- 14.1 Cornerstone, its officers, directors, employees and agents have and shall maintain during the term of this Agreement insurance in the following types: (a) Worker's Compensation Insurance; (b) Employer's Liability Insurance; (c) Commercial General Liability Insurance (GLI); and (d) Professional Liability Insurance.
- 14.2 Cornerstone shall, at the Client's request, provide the Client with a certificate of insurance or other satisfactory evidence that such insurance has been obtained and are maintained in force through the term of this Agreement. Any additional insurance policy or increase in the coverage of existing insurance required by the Client shall constitute an additional expense under this Agreement, and the Client shall reimburse Cornerstone for any additional premiums and costs incurred by Cornerstone in connection with obtaining such additional insurance.

**15. Prevailing Wage Obligations**

- 15.1 The Client shall notify Cornerstone in writing if the Work contemplated by this Agreement constitutes a "public work" under any and all federal, state and/or local prevailing wage laws, and/or living wage laws, including but not limited to the Davis-Bacon Act and the provisions of California Labor Code §§ 1720 *et seq.* In addition, the Client shall notify Cornerstone if Cornerstone is obligated by statute, any public contracting authority and/or a developer to pay prevailing wages and benefits and/or any predetermined wages or benefits (collectively, "prevailing wage obligations"). In the event that Cornerstone must adhere to federal, state and/or local prevailing wage obligations for the Work performed, the Client shall provide Cornerstone with any and all prevailing wage determinations applicable to the Work to be performed under this Agreement. Any prevailing wage obligations might affect the payment terms contemplated by this Agreement and thus constitute a changed condition mandating renegotiation and/or termination of this Agreement. The Client understands and agrees that Cornerstone will rely on the representations made by the Client with regard to prevailing wage obligations and the Client agrees to indemnify Cornerstone, its officers, directors, employees, agents and/or subcontractors against any and all claims, liabilities, suits, demands, losses, costs and expenses, including but not limited to reasonable attorney's fees and legal costs, arising from Cornerstone's reliance upon the Client's representations regarding prevailing wage obligations.

**16. Limitations—THIS CLAUSE LIMITS CORNERSTONE'S LIABILITY**

- 16.1 Cornerstone shall not be responsible for the validity or accuracy of data collected by others or for interpretations made by others.
- 16.2 Cornerstone's relationship with the Client under this Agreement shall be that of an independent contractor. Nothing in this Agreement shall be construed to designate Cornerstone, its officers, directors, employees, agents and/or subcontractors as employees, agents, joint ventures or partners of the Client. Cornerstone shall have no authority to bind, commit or obligate the Client in any manner and shall not hold itself out to third parties as being capable of doing so.
- 16.3 The Client and Cornerstone have discussed the risks and rewards associated with this project, as well as Cornerstone's fee for services. After negotiation, the Client and Cornerstone have expressly agreed to allocate certain of the risks so that, to the fullest extent permitted by law, the total aggregate liability of Cornerstone, its officers, directors, employees, agents and subcontractors to the Client and all third-parties is limited to \$50,000 or the amount of Cornerstone's fee, whichever is greater, for any and all injuries, damages, claims, losses, expenses, or claim expenses (including attorney's fees) arising out of this Agreement from any cause or causes. Such causes include but are not limited to Cornerstone's negligence, errors, omissions, strict liability, breach of contract or breach of warranty. In no event shall Cornerstone, its officers, directors, employees, agents and/or subcontractors be liable in contract, tort, strict liability, warranty or otherwise, for any special, incidental or consequential damages, such as but not limited to delay, disruption, loss of product, loss of anticipated profits or revenue, loss of use of any equipment or system, non-operation or increased expense of operation of any equipment or systems, cost of capital, or cost of purchase or replacement equipment systems or power.
- 16.4 Notwithstanding any other provision of this Agreement, the total aggregate liability of Cornerstone, its officers, directors, employees, agents and subcontractors to the Client and all third parties, including attorney's fees awarded pursuant to this Agreement, for claims, damages or losses arising out of the treatment, transport, storage, discharge, dispersal or release of hazardous materials, shall be limited to \$50,000 or the amount of Cornerstone's fee, whichever is greater and regardless of the legal theory under which liability is imposed.
- 16.5 For an additional 5% of Cornerstone's total fee or \$500, whichever is greater, Cornerstone will raise the limitation of liability up to the amount that actually would be paid by Cornerstone's insurance carriers if Client and Cornerstone initial below:

LIMITATION INCREASE: THE LIMITATION OF LIABILITY IS INCREASED TO THE ACTUAL AMOUNT PAID BY CORNERSTONE'S INSURANCE CARRIERS IN EXCHANGE FOR AN ADDITIONAL FEE OF 5% OF THE TOTAL SERVICE CHARGE OR \$500, WHICHEVER IS GREATER.

Client's Initial	Date	Cornerstone's Initial	Date

- 16.6 The Client shall indemnify, defend and hold harmless Cornerstone and its officers, directors, employees, agents and subcontractors from any and all damages, losses, or expenses, included but not limited to reasonable legal expenses and attorney's fees connected therewith, sustained by Cornerstone, its officers, directors, employees, agents and subcontractors as a result of any and all claims, demands, suits, causes of action, proceedings, judgments and liabilities for property damage, statutory penalty and/or personal injury with respect to and arising out of the Client's negligent acts, omissions or material breach of this Agreement. In the event a claim is the result of joint negligent acts or omissions of the Client and Cornerstone, the Client's duty of indemnification shall be in proportion to its respective allocable share of the joint negligence.
- 16.7 Client acknowledges and agrees that in no event shall any action or proceeding be brought against Cornerstone or proceeding be brought against Cornerstone by Client or its assignees for any claim or cause of action arising from or in any way related to the Work or this Agreement unless such action or proceeding is commenced within three (3) years from the Date of Completion of Work provided by Cornerstone under this Agreement. The Date of Completion shall be the date of the final invoice for the Work performed under this Agreement.
- 16.8 If Client requests that Cornerstone's work product be relied upon by a third party, including, but not limited to a lender, Client agrees to provide the third party with a copy of these terms and conditions, and Client agrees to require said third party to agree to limit Cornerstone's total liability to Client and any third party as described in paragraph 16.4 and Client agrees to indemnify Cornerstone, its officers, directors, employees, agents and/or subcontractors against any and all claims, liabilities, suits, demands, losses, costs and expenses, including but not limited to reasonable attorney's fees and legal costs, arising from third party claims, damages, costs and losses arising out of or in any way related to Work.

**17. Disputing Cornerstone's Performance**

- 17.1 Except as provided in Section 6 and Subsection 17.2 herein, if Cornerstone shall breach any provision herein, the Client shall notify Cornerstone within five (5) business days of the Client's knowledge of such breach. Except as provided in Subsections 17.3 herein, upon receipt of the Client's notice, Cornerstone shall have the option to take such corrective measures, if any, to remedy the breach, and shall notify the Client within five (5) business days after receipt of the

Client's notification of the corrective measures Cornerstone shall take and the estimated time period within which the corrective measures shall be taken. In no event shall Cornerstone be liable to the Client for any damages without being given a reasonable opportunity to remedy its breach as provided herein.

- 17.2 The Client shall make no claim for professional negligence unless the Client has first provided Cornerstone with a written certification executed by an independent Consultant currently practicing in the same discipline and locality as Cornerstone and licensed in the State of California. This certification shall (a) contain the name and license number of the certifier; (b) specify the acts or omissions that the certifier contends are not in conformance with the standard care for a Cornerstone performing professional services under similar circumstances; and (c) state in detail the basis for the certifier's opinion that such acts or omissions do not conform to the standard of care. This certificate shall be provided to Cornerstone no less than thirty (30) calendar days prior to the presentation of any claim or the institution of any mediation, arbitration or judicial proceeding.
- 17.3 Cornerstone agrees that upon receipt of written notice from the Client pursuant to Subsection 17.2 herein it will implement necessary corrections to the Work performed by Cornerstone that fails to conform to the standard of care that Cornerstone has accepted pursuant to Subsection 4.1, as mutually agreed in writing by the Parties as provided in Subsection 1.1. herein, if such written notice is received within one (1) year of the performance of the Work failing to conform to Subsection 4.1. If Cornerstone has been paid by the Client for such Work, Cornerstone shall perform the corrections at its own expense. If Cornerstone has not been paid by the Client for such Work, and the Work is subsequently corrected to conform with the standard of care that Cornerstone has accepted pursuant to Subsection 4.1, the Client shall pay Cornerstone in accordance with Section 3 herein.
- 17.4 In no event shall Cornerstone, its officers, directors, employees, agents and/or subcontractors be liable for any special, incidental or consequential damages, such as but not limited to delay, disruption, loss of product, loss of anticipated profits or revenue, loss of use of any equipment or system, non-operation or increased expense of operation of any equipment or systems, cost of capital, or cost of purchase or replacement equipment systems or power, or any other incidental, special, indirect or consequential damages of any kind or nature whatsoever resulting from Cornerstone's performance or failure to perform the Work in accordance with the standard of care that Cornerstone has accepted pursuant to Subsection 4.1.
- 18. Termination**
- 18.1 Cornerstone shall have the right to terminate this Agreement ten (10) business days after written notice is sent to the Client if (a) the Client fails to pay any of Cornerstone's undisputed invoices within sixty (60) days from the date of the invoice; or (b) Cornerstone's attached proposal and/or the Work was based upon misinformation, whether by the Client or a third party, or upon information not fully disclosed to Cornerstone, whether by the Client or a third party.
- 18.2 Except as provided for in Section 6, and after compliance with Section 17, the Client shall have the right to terminate this Agreement ten (10) business days after written notice is sent to Cornerstone if Cornerstone fails to comply in any material respect with any of the material provisions herein and subsequently fails to notify the Client pursuant to Subsections 17.1 and 17.3 of the corrective measures Cornerstone intends to take.
- 18.3 The termination of this Agreement by Cornerstone under Subsection 18.1 herein, or by the Client under Subsection 18.2 herein, shall not relieve the Client of its obligations to pay Cornerstone for any of the Work performed and expenses incurred as of the date of termination, and shall not constitute a waiver by Cornerstone or the Client of any cause of action for breach of this Agreement or any provision herein.
- 19. Miscellaneous Provisions.**
- 19.1 "Indemnity" Defined. The term "indemnify" shall mean indemnify, defend and hold harmless from and against any and all claims, liabilities, suits, demands, losses, costs and expenses, including but not limited to reasonable attorney's fees and all legal costs incurred on appeal, and all interest thereon, accruing or resulting to any and all persons, firms, or any other legal entities, on account of any damages or losses to property or persons, including death or economic losses, arising out of the item, matter, action or inaction specified in the specific provision.
- 19.2 Choice of Counsel. In any circumstance whereby Cornerstone is entitled to indemnification by the Client, Cornerstone shall have the right to select counsel of its choosing.
- 19.3 Successors and Assigns. This Agreement shall be binding upon and inure to the benefit of the Parties and their successors and assigns as provided herein. The Client shall not assign, sell, transfer or subcontract this Agreement or any interest herein without the prior written consent of Cornerstone. Cornerstone shall not assign, sell, transfer or subcontract this Agreement or any interest herein without the prior written consent of the Client. The Client hereby consents to the subcontracting of those portions of the Work as the attached proposal herein indicates are or will be subcontracted. Notwithstanding the above, Cornerstone shall have the right to assign monies due hereunder for the Work performed and expenses incurred.
- 19.4 Third Party Beneficiaries. The Parties agree that this Agreement is not intended by either Cornerstone or the Client to give any benefits, rights, privileges, actions or remedies to any person or entity, partnership, firm or corporation as a third party beneficiary or otherwise under any theory of law, that is not a signatory to this Agreement.
- 19.5 Survival. In order that the Parties may fully exercise their rights and perform their obligations arising from the performance of this Agreement, any provisions of this Agreement that are necessary to ensure such exercise or performance shall survive the termination of this Agreement.
- 19.6 Severability. If any part, term or provision of this Agreement shall be held illegal, unenforceable or in conflict with any federal, state or local law having jurisdiction over this Agreement, the validity of the remaining parts, terms or provisions of this Agreement shall not be affected thereby.
- 19.7 Choice of Law and Venue. This Agreement shall be governed by California law. The venue for any legal action brought pursuant to this Agreement shall be located within the County of Santa Clara, State of California.
- 19.8 Publicity. Unless otherwise mutually agreed in writing by the parties as provided in Subsection 1.1, Cornerstone may use and publish the Client's name and a general description of Cornerstone's services with respect to the Work in describing Cornerstone's experience and qualifications to other clients or prospective clients.
- 19.9 Signatories. Each undersigned representative of the Parties to this Agreement certifies that he or she is fully authorized to enter into the terms and conditions of this Agreement and to execute and legally bind such Party to this document.
- 19.10 Corporate Protection. It is intended by the parties to this Agreement that Cornerstone's services in connection with the Work shall not subject Cornerstone's individual employees, officers or directors to any personal legal exposure for the risks associated with this Project. Therefore, and notwithstanding anything to the contrary herein, the Client agrees that as the Client's sole and exclusive remedy, any claim, demand or suit shall be directed and/or asserted only against Cornerstone, a California Corporation, and not against any of Cornerstone's individual employees, officers or directors.
- 19.11 Code Compliance. Cornerstone shall exercise usual and customary professional care in its efforts to comply with applicable laws, codes and regulations as of the date of this Agreement.
- 19.12 Quotation. Unless stated in writing, this quotation shall not remain in effect after thirty (30) days of the Proposal date.
- 19.13 Contractors State License. Cornerstone maintains a General Engineering A license (No. 905816) with a Hazardous Substances Removal and Remedial Actions Certification with the State of California, which are regulated by the Contractors State License Board. Any questions concerning a contractor may be referred to the Registrar, Contractors State License Board, P.O. Box 26000, Sacramento, California 95826.

## APPENDIX B – DATABASE SEARCH REPORT

**Former Oliver Salt Plant**

4150 Point Eden Way  
Hayward, CA 94545

Inquiry Number: 4854958.2s  
February 15, 2017

# 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.

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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

4150 POINT EDEN WAY  
HAYWARD, CA 94545

#### COORDINATES

Latitude (North): 37.6236620 - 37° 37' 25.18"  
Longitude (West): 122.1308560 - 122° 7' 51.08"  
Universal Transverse Mercator: Zone 10  
UTM X (Meters): 576699.5  
UTM Y (Meters): 4164211.2  
Elevation: 0 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5640622 REDWOOD POINT, CA  
Version Date: 2012

Northeast Map: 5640616 HAYWARD, CA  
Version Date: 2012

Southeast Map: 5641108 NEWARK, CA  
Version Date: 2012

Northwest Map: 5641120 SAN LEANDRO, CA  
Version Date: 2012

### AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20140608  
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:  
4150 POINT EDEN WAY  
HAYWARD, CA 94545

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	OLIVER TRUST	4150 POINT EDEN WAY	CA HAZNET		TP
A2	OLD OLIVER SALT PLAN	4150 POINT EDEN WY	CA RGA LUST		TP
A3	OLIVER TRUST OLD SAL	4150 POINT EDEN WAY	CA LUST, CA Alameda County CS		TP
A4	OLIVER SALT PONDS	4150 EDEN POINT WAY	CA NPDES		TP
A5	OLD OLIVER SALT PLAN	4150 POINT EDEN	CA DEED, CA HIST CORTESE		TP
A6	16353 RB2	4150 POINT EDEN WY	FINDS		TP
7	RESTORATION MANAGEME	4142 POINT EDEN WAY	CA EMI, CA HAZNET, CA HWT	Higher	164, 0.031, NE
8	BIG AL'S WASTE HAULI	4125 BREAKWATER AVE	SEMS-ARCHIVE	Higher	496, 0.094, North
9	PIONEER HI-BRED INTL	4030 POINT EDEN WAY	RCRA-SQG	Higher	564, 0.107, NE
10	LARRY TALLMAN	4125 BREAKWATER	CA ENVIROSTOR, CA HAZNET	Higher	665, 0.126, NE
B11	AGTA CORPORATION	3535 BREAKWATER AVE	RCRA-SQG, FINDS, ECHO	Higher	930, 0.176, NE
B12	INEX PHARMACEUTICALS	3835 BREAKWATER AVE	RCRA NonGen / NLR, FINDS, CA HAZNET, ECHO	Higher	930, 0.176, NE
B13	TRIMAC TRANSPORTATIO	3751 BREAKWATER AVEN	CA ENVIROSTOR	Higher	930, 0.176, NE
B14	ESIGNAL	3955 POINT EDEN WAY	CA AST	Higher	944, 0.179, NE
B15	INTERACTIVE DATA	3955 POINT EDEN WAY	CA AST	Higher	944, 0.179, NE
C16	ZYOMYX INC	26101 RESEARCH RD	RCRA-SQG, FINDS, CA HAZNET, ECHO	Higher	1007, 0.191, ENE
C17	ENVIA SYSTEMS INC	26138 RESEARCH RD	RCRA NonGen / NLR	Higher	1008, 0.191, ENE
C18	QUANTUM DOT CORP	26136 RESEARCH RD	RCRA NonGen / NLR, FINDS, ECHO	Higher	1010, 0.191, ENE
C19	RIBGENE INC	26118 RESEARCH RD	RCRA-SQG, FINDS, ECHO	Higher	1025, 0.194, ENE
D20	KEEBLER COMPANY FACI	3875 BAY CENTER PL	CA LUST, CA HIST UST	Higher	1164, 0.220, NNE
D21	KEEBLER COMPANY	3875 BAY CENTER PL	CA LUST, CA SWEEPS UST, CA HIST UST, CA FID UST	Higher	1164, 0.220, NNE
22	SOGETAL INC	3872 BAY CENTER PLAC	RCRA-SQG, FINDS, NY MANIFEST, ECHO	Higher	1314, 0.249, NE
23	PT EDEN BUSINESS PAR	3920 POINT EDEN WY	CA LUST, CA HIST CORTESE	Higher	1961, 0.371, ENE
24	PLATRON	26260 EDEN LANDING R	RCRA-LQG, CA ENVIROSTOR, FINDS, ECHO	Higher	2189, 0.415, East
E25	ROHM & HAAS CHEMICAL	25500 WHITESELL ST	CA SLIC, CA SWEEPS UST, CA HIST UST, CA FID UST,...	Higher	2250, 0.426, North
E26	ROHM & HAAS CHEMICAL	25500 WHITESELL STRE	SEMS-ARCHIVE, RCRA-LQG, FINDS, ECHO	Higher	2250, 0.426, North
E27	ROHM & HAAS INC	25500 WHITESELL ST	CA LUST, CA SLIC, CA CHMIRS, CA HIST CORTESE, CA...	Higher	2250, 0.426, North
F28	EDEN PLAZA PROPRTIE	3521 INVESTMENT BLVD	CA ENVIROSTOR	Higher	2531, 0.479, ENE
F29	EDEN PLAZA PROPS	3521-3583 INVESTMENT	SEMS-ARCHIVE	Higher	2531, 0.479, ENE
F30	EDEN PLAZA PROPRTIE	35213583 INVESTMENT	CA HIST CORTESE	Higher	2531, 0.479, ENE
F31	EDEN PLAZA & EDEN RO	3521-3583 INVESTMENT	CA SLIC	Higher	2607, 0.494, East
32	LES MC DONALD CONSTR	3500 ENTERPRISE AVE	RCRA-SQG, CA ENVIROSTOR, CA LUST, CA SWEEPS UST,...	Higher	2982, 0.565, North
33	ELECTRO-FORMING CO.	3435 ENTERPRISE AVEN	CA ENVIROSTOR, CA DEED	Higher	3569, 0.676, NNE
34		3392 INVESTMENT BLVD	CA Notify 65	Higher	3788, 0.717, ENE
35	KEM-MIL-CO	3468 DIABLO AVE	RCRA-LQG, CA ENVIROSTOR, FINDS, ECHO	Higher	3917, 0.742, NNE
36	ELECTROCHEM	25020 VIKING STREET	CA ENVIROSTOR	Higher	4825, 0.914, NNE
G37	HERNING UNDERGROUND	3135 DIABLO AVE	CA LUST, CA SLIC, CA Notify 65	Higher	4863, 0.921, NNE
G38	HERNING UNDERGROUND	3135 DIABLO AVE.	CA Notify 65	Higher	4863, 0.921, NNE
39	ETEC SYSTEMS, INC	26460/26415 CORPORAT	CA ENVIROSTOR	Higher	4950, 0.938, ENE

MAPPED SITES SUMMARY

Target Property Address:  
4150 POINT EDEN WAY  
HAYWARD, CA 94545

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
<a href="#">40</a>	26569-75 CORPORATE A	26569-75 CORPORATE A	CA ENVIROSTOR	Higher	5045, 0.955, East

## EXECUTIVE SUMMARY

### TARGET PROPERTY SEARCH RESULTS

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

Site	Database(s)	EPA ID
OLIVER TRUST 4150 POINT EDEN WAY HAYWARD, CA 94545	CA HAZNET GEPAID: CAC001416152	N/A
OLD OLIVER SALT PLAN 4150 POINT EDEN WY HAYWARD, CA	CA RGA LUST	N/A
OLIVER TRUST OLD SAL 4150 POINT EDEN WAY HAYWARD, CA 94545	CA LUST Database: LUST REG 2, Date of Government Version: 09/30/2004 Database: LUST, Date of Government Version: 12/12/2016 Global Id: T0600102273 Status: Completed - Case Closed Facility Id: 01-2465 Facility Status: Leak being confirmed  CA Alameda County CS Record Id: RO0000329	N/A
OLIVER SALT PONDS 4150 EDEN POINT WAY HAYWARD, CA	CA NPDES	N/A
OLD OLIVER SALT PLAN 4150 POINT EDEN HAYWARD, CA 94545	CA DEED Status: COMPLETED - CASE CLOSED Envirostor ID: T0600102273  CA HIST CORTESE Reg Id: 01-2465	N/A
16353 RB2 4150 POINT EDEN WY HAYWARD, CA 94545	FINDS Registry ID:: 110043364640	N/A

## EXECUTIVE SUMMARY

### DATABASES WITH NO MAPPED SITES

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

### STANDARD ENVIRONMENTAL RECORDS

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

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

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

Delisted NPL..... National Priority List Deletions

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

FEDERAL FACILITY..... Federal Facility Site Information listing  
SEMS..... Superfund Enterprise Management System

#### ***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-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

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

LUCIS..... Land Use Control Information System  
US ENG CONTROLS..... Engineering Controls Sites List  
US INST CONTROL..... Sites with Institutional Controls

#### ***Federal ERNS list***

ERNS..... Emergency Response Notification System

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

CA RESPONSE..... State Response Sites

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

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

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

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

## EXECUTIVE SUMMARY

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

FEMA UST..... Underground Storage Tank Listing  
CA UST..... Active UST Facilities  
INDIAN UST..... Underground Storage Tanks on Indian Land

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

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

### **State and tribal Brownfields sites**

CA BROWNFIELDS..... Considered Brownfields Sites Listing

### **ADDITIONAL ENVIRONMENTAL RECORDS**

#### **Local Brownfield lists**

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

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

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

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

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

#### **Local Land Records**

CA LIENS..... Environmental Liens Listing  
LIENS 2..... CERCLA Lien Information

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

HMIRS..... Hazardous Materials Information Reporting System  
CA LDS..... Land Disposal Sites Listing  
CA MCS..... Military Cleanup Sites Listing  
CA SPILLS 90..... SPILLS 90 data from FirstSearch

#### **Other Ascertainable Records**

FUDS..... Formerly Used Defense Sites

## EXECUTIVE SUMMARY

DOD.....	Department of Defense Sites
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR.....	Financial Assurance Information
EPA WATCH LIST.....	EPA WATCH LIST
2020 COR ACTION.....	2020 Corrective Action Program List
TSCA.....	Toxic Substances Control Act
SSTS.....	Section 7 Tracking Systems
ROD.....	Records Of Decision
RMP.....	Risk Management Plans
RAATS.....	RCRA Administrative Action Tracking System
PRP.....	Potentially Responsible Parties
PADS.....	PCB Activity Database System
ICIS.....	Integrated Compliance Information System
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS.....	Material Licensing Tracking System
COAL ASH DOE.....	Steam-Electric Plant Operation Data
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER.....	PCB Transformer Registration Database
RADINFO.....	Radiation Information Database
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS.....	Incident and Accident Data
CONSENT.....	Superfund (CERCLA) Consent Decrees
INDIAN RESERV.....	Indian Reservations
FUSRAP.....	Formerly Utilized Sites Remedial Action Program
UMTRA.....	Uranium Mill Tailings Sites
LEAD SMELTERS.....	Lead Smelter Sites
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
US MINES.....	Mines Master Index File
UXO.....	Unexploded Ordnance Sites
DOCKET HWC.....	Hazardous Waste Compliance Docket Listing
CA BOND EXP. PLAN.....	Bond Expenditure Plan
CA Cortese.....	"Cortese" Hazardous Waste & Substances Sites List
CA CUPA Listings.....	CUPA Resources List
CA DRYCLEANERS.....	Cleaner Facilities
CA ENF.....	Enforcement Action Listing
CA Financial Assurance.....	Financial Assurance Information Listing
CA ICE.....	ICE
CA HWP.....	EnviroStor Permitted Facilities Listing
CA MINES.....	Mines Site Location Listing
CA MWMP.....	Medical Waste Management Program Listing
CA PEST LIC.....	Pesticide Regulation Licenses Listing
CA PROC.....	Certified Processors Database
CA UIC.....	UIC Listing
CA WASTEWATER PITS.....	Oil Wastewater Pits Listing
CA WIP.....	Well Investigation Program Case List
FUELS PROGRAM.....	EPA Fuels Program Registered Listing
ABANDONED MINES.....	Abandoned Mines

### EDR HIGH RISK HISTORICAL RECORDS

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

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

## EXECUTIVE SUMMARY

EDR Hist Auto..... EDR Exclusive Historic Gas Stations  
EDR Hist Cleaner..... EDR Exclusive Historic Dry Cleaners

### EDR RECOVERED GOVERNMENT ARCHIVES

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

CA 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 CERCLIS NFRAP site list***

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 10/10/2016 has revealed that there are 3 SEMS-ARCHIVE 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>
BIG AL'S WASTE HAULI	4125 BREAKWATER AVE	N 0 - 1/8 (0.094 mi.)	8	18
<b><i>ROHM &amp; HAAS CHEMICAL</i></b>	<b><i>25500 WHITESELL STRE</i></b>	<b><i>N 1/4 - 1/2 (0.426 mi.)</i></b>	<b><i>E26</i></b>	<b><i>62</i></b>
EDEN PLAZA PROPS	3521-3583 INVESTMENT	ENE 1/4 - 1/2 (0.479 mi.)	F29	76

## EXECUTIVE SUMMARY

### ***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 12/12/2016 has revealed that there are 5 RCRA-SQG 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>
PIONEER HI-BRED INTL	4030 POINT EDEN WAY	NE 0 - 1/8 (0.107 mi.)	9	19
<b>AGTA CORPORATION</b>	<b>3535 BREAKWATER AVE</b>	<b>NE 1/8 - 1/4 (0.176 mi.)</b>	<b>B11</b>	<b>23</b>
<b>ZYOMYX INC</b>	<b>26101 RESEARCH RD</b>	<b>ENE 1/8 - 1/4 (0.191 mi.)</b>	<b>C16</b>	<b>31</b>
<b>RIBGENE INC</b>	<b>26118 RESEARCH RD</b>	<b>ENE 1/8 - 1/4 (0.194 mi.)</b>	<b>C19</b>	<b>39</b>
<b>SOGETAL INC</b>	<b>3872 BAY CENTER PLAC</b>	<b>NE 1/8 - 1/4 (0.249 mi.)</b>	<b>22</b>	<b>44</b>

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

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

A review of the CA ENVIROSTOR list, as provided by EDR, and dated 10/31/2016 has revealed that there are 10 CA ENVIROSTOR sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>LARRY TALLMAN</b> Facility Id: 1420125 Status: Inactive - Needs Evaluation	<b>4125 BREAKWATER</b>	<b>NE 1/8 - 1/4 (0.126 mi.)</b>	<b>10</b>	<b>22</b>
TRIMAC TRANSPORTATIO Facility Id: 71003414 Status: Inactive - Needs Evaluation	3751 BREAKWATER AVEN	NE 1/8 - 1/4 (0.176 mi.)	B13	29
<b>PLATRON</b> Facility Id: 71003473 Status: Inactive - Needs Evaluation	<b>26260 EDEN LANDING R</b>	<b>E 1/4 - 1/2 (0.415 mi.)</b>	<b>24</b>	<b>47</b>
EDEN PLAZA PROPRTIE Facility Id: 1730059 Status: Refer: RWQCB	3521 INVESTMENT BLVD	ENE 1/4 - 1/2 (0.479 mi.)	F28	75
<b>LES MC DONALD CONSTR</b> Facility Id: 1150001 Status: Refer: Other Agency	<b>3500 ENTERPRISE AVE</b>	<b>N 1/2 - 1 (0.565 mi.)</b>	<b>32</b>	<b>78</b>
<b>ELECTRO-FORMING CO.</b>	<b>3435 ENTERPRISE AVEN</b>	<b>NNE 1/2 - 1 (0.676 mi.)</b>	<b>33</b>	<b>87</b>

## EXECUTIVE SUMMARY

Facility Id: 71003321  
Status: Active

<b>KEM-MIL-CO</b>	<b>3468 DIABLO AVE</b>	<b>NNE 1/2 - 1 (0.742 mi.)</b>	<b>35</b>	<b>92</b>
Facility Id: 71003075 Status: Inactive - Needs Evaluation				
ELECTROCHEM	25020 VIKING STREET	NNE 1/2 - 1 (0.914 mi.)	36	96
Facility Id: 71002964 Status: No Action Required				
ETEC SYSTEMS, INC	26460/26415 CORPORAT	ENE 1/2 - 1 (0.938 mi.)	39	98
Facility Id: 71003704 Status: No Action Required				
26569-75 CORPORATE A	26569-75 CORPORATE A	E 1/2 - 1 (0.955 mi.)	40	99
Facility Id: 1500103 Status: Refer: RWQCB				

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

CA LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CA LUST list, as provided by EDR, has revealed that there are 4 CA LUST sites within approximately 0.5 miles of the target property.

<b>Equal/Higher Elevation</b>	<b>Address</b>	<b>Direction / Distance</b>	<b>Map ID</b>	<b>Page</b>
<b>KEEBLER COMPANY FACI</b>	<b>3875 BAY CENTER PL</b>	<b>NNE 1/8 - 1/4 (0.220 mi.)</b>	<b>D20</b>	<b>41</b>
Database: LUST, Date of Government Version: 12/12/2016 Global Id: T0600191826 Status: Completed - Case Closed				
<b>KEEBLER COMPANY</b>	<b>3875 BAY CENTER PL</b>	<b>NNE 1/8 - 1/4 (0.220 mi.)</b>	<b>D21</b>	<b>42</b>
Database: LUST REG 2, Date of Government Version: 09/30/2004 date9: 3/13/2000 Facility Id: 01-2496 Facility Status: Case Closed				
<b>PT EDEN BUSINESS PAR</b>	<b>3920 POINT EDEN WY</b>	<b>ENE 1/4 - 1/2 (0.371 mi.)</b>	<b>23</b>	<b>47</b>
Database: LUST REG 2, Date of Government Version: 09/30/2004 Facility Id: 01-1209 Facility Status: Leak being confirmed				
<b>ROHM &amp; HAAS INC</b>	<b>25500 WHITESELL ST</b>	<b>N 1/4 - 1/2 (0.426 mi.)</b>	<b>E27</b>	<b>69</b>
Database: LUST REG 2, Date of Government Version: 09/30/2004 Database: LUST, Date of Government Version: 12/12/2016 Global Id: T0600101155 Status: Completed - Case Closed Facility Id: 01-1257 Facility Status: Leak being confirmed				

## EXECUTIVE SUMMARY

CA SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CA SLIC list, as provided by EDR, has revealed that there are 3 CA SLIC 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>ROHM &amp; HAAS CHEMICAL</b> Database: SLIC REG 2, Date of Government Version: 09/30/2004 Facility Id: 01S0122	<b>25500 WHITESELL ST</b>	<b>N 1/4 - 1/2 (0.426 mi.)</b>	<b>E25</b>	<b>52</b>
<b>ROHM &amp; HAAS INC</b> Database: SLIC, Date of Government Version: 12/12/2016 Facility Status: Completed - Case Closed Global Id: T0600191500	<b>25500 WHITESELL ST</b>	<b>N 1/4 - 1/2 (0.426 mi.)</b>	<b>E27</b>	<b>69</b>
<b>EDEN PLAZA &amp; EDEN RO</b> Database: SLIC, Date of Government Version: 12/12/2016 Facility Status: Open - Inactive Global Id: T10000006239	<b>3521-3583 INVESTMENT</b>	<b>E 1/4 - 1/2 (0.494 mi.)</b>	<b>F31</b>	<b>77</b>

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

CA AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the CA AST list, as provided by EDR, and dated 07/06/2016 has revealed that there are 2 CA AST 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>
ESIGNAL	3955 POINT EDEN WAY	NE 1/8 - 1/4 (0.179 mi.)	B14	30
INTERACTIVE DATA	3955 POINT EDEN WAY	NE 1/8 - 1/4 (0.179 mi.)	B15	31

### **ADDITIONAL ENVIRONMENTAL RECORDS**

#### ***Local Lists of Registered Storage Tanks***

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

A review of the CA SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there is 1 CA SWEEPS UST 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>KEEBLER COMPANY</b> Status: A Tank Status: A	<b>3875 BAY CENTER PL</b>	<b>NNE 1/8 - 1/4 (0.220 mi.)</b>	<b>D21</b>	<b>42</b>

## EXECUTIVE SUMMARY

Comp Number: 65510

CA HIST UST: Historical UST Registered Database.

A review of the CA HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 2 CA 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>
<b>KEEBLER COMPANY FACI</b> Facility Id: 00000065510	<b>3875 BAY CENTER PL</b>	<b>NNE 1/8 - 1/4 (0.220 mi.)</b>	<b>D20</b>	<b>41</b>
<b>KEEBLER COMPANY</b>	<b>3875 BAY CENTER PL</b>	<b>NNE 1/8 - 1/4 (0.220 mi.)</b>	<b>D21</b>	<b>42</b>

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 is 1 CA FID UST 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>KEEBLER COMPANY</b> Facility Id: 01002923 Status: A	<b>3875 BAY CENTER PL</b>	<b>NNE 1/8 - 1/4 (0.220 mi.)</b>	<b>D21</b>	<b>42</b>

### **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 12/12/2016 has revealed that there are 3 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>INEX PHARMACEUTICALS</b>	<b>3835 BREAKWATER AVE</b>	<b>NE 1/8 - 1/4 (0.176 mi.)</b>	<b>B12</b>	<b>25</b>
ENVIA SYSTEMS INC	26138 RESEARCH RD	ENE 1/8 - 1/4 (0.191 mi.)	C17	35
<b>QUANTUM DOT CORP</b>	<b>26136 RESEARCH RD</b>	<b>ENE 1/8 - 1/4 (0.191 mi.)</b>	<b>C18</b>	<b>37</b>

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

A review of the CA HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 3 CA 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>
<b>PT EDEN BUSINESS PAR</b>	<b>3920 POINT EDEN WY</b>	<b>ENE 1/4 - 1/2 (0.371 mi.)</b>	<b>23</b>	<b>47</b>

## EXECUTIVE SUMMARY

Reg Id: 01-1209

<b>ROHM &amp; HAAS INC</b>	<b>25500 WHITESSELL ST</b>	<b>N 1/4 - 1/2 (0.426 mi.)</b>	<b>E27</b>	<b>69</b>
Reg Id: 01-1257				

EDEN PLAZA PROPRTIE	35213583 INVESTMENT	ENE 1/4 - 1/2 (0.479 mi.)	F30	77
Reg Id: 01730059				

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

A review of the CA HWT list, as provided by EDR, and dated 10/12/2016 has revealed that there is 1 CA HWT 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>RESTORATION MANAGEME</b> Reg Num: 5536	<b>4142 POINT EDEN WAY</b>	<b>NE 0 - 1/8 (0.031 mi.)</b>	<b>7</b>	<b>16</b>

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

A review of the NY MANIFEST list, as provided by EDR, and dated 01/30/2017 has revealed that there is 1 NY MANIFEST 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>SOGETAL INC</b> EPA ID: CAD147087928	<b>3872 BAY CENTER PLAC</b>	<b>NE 1/8 - 1/4 (0.249 mi.)</b>	<b>22</b>	<b>44</b>

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

A review of the CA Notify 65 list, as provided by EDR, and dated 09/19/2016 has revealed that there are 3 CA Notify 65 sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	3392 INVESTMENT BLVD	ENE 1/2 - 1 (0.717 mi.)	34	91
<b>HERNING UNDERGROUND</b>	<b>3135 DIABLO AVE</b>	<b>NNE 1/2 - 1 (0.921 mi.)</b>	<b>G37</b>	<b>97</b>
HERNING UNDERGROUND	3135 DIABLO AVE.	NNE 1/2 - 1 (0.921 mi.)	G38	98

## EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 1 records.

Site Name

ARDEN ROAD PROPERTY

Database(s)

CA ENVIROSTOR

# OVERVIEW MAP - 4854958.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Power transmission lines

Pipelines

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

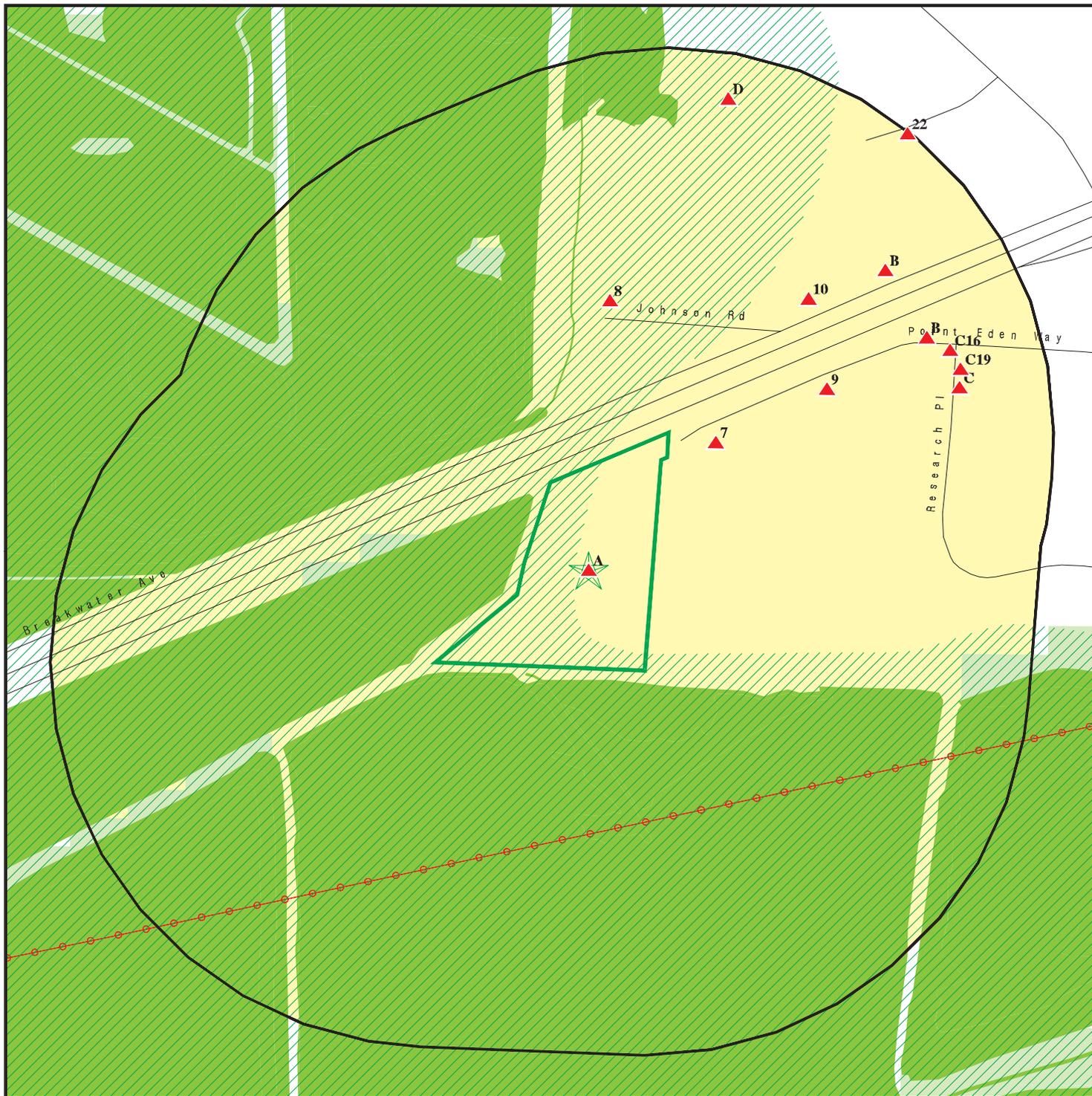
Areas of Concern

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

SITE NAME: Former Oliver Salt Plant  
 ADDRESS: 4150 Point Eden Way  
 Hayward CA 94545  
 LAT/LONG: 37.623662 / 122.130856

CLIENT: Cornerstone Earth Group  
 CONTACT: Chris Heiny  
 INQUIRY #: 4854958.2s  
 DATE: February 15, 2017 5:32 pm

# DETAIL MAP - 4854958.2S



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

-  Indian Reservations BIA
-  Power transmission lines
-  100-year flood zone
-  500-year flood zone
-  National Wetland Inventory
-  State Wetlands
-  Areas of Concern

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

SITE NAME: Former Oliver Salt Plant  
 ADDRESS: 4150 Point Eden Way  
 Hayward CA 94545  
 LAT/LONG: 37.623662 / 122.130856

CLIENT: Cornerstone Earth Group  
 CONTACT: Chris Heiny  
 INQUIRY #: 4854958.2s  
 DATE: February 15, 2017 5:35 pm

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b>STANDARD ENVIRONMENTAL RECORDS</b>								
<b><i>Federal NPL site list</i></b>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	0.001		0	NR	NR	NR	NR	0
<b><i>Federal Delisted NPL site list</i></b>								
Delisted NPL	1.000		0	0	0	0	NR	0
<b><i>Federal CERCLIS list</i></b>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<b><i>Federal CERCLIS NFRAP site list</i></b>								
SEMS-ARCHIVE	0.500		1	0	2	NR	NR	3
<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	4	NR	NR	NR	5
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
<b><i>Federal institutional controls / engineering controls registries</i></b>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
<b><i>Federal ERNS list</i></b>								
ERNS	0.001		0	NR	NR	NR	NR	0
<b><i>State- and tribal - equivalent NPL</i></b>								
CA RESPONSE	1.000		0	0	0	0	NR	0
<b><i>State- and tribal - equivalent CERCLIS</i></b>								
CA ENVIROSTOR	1.000		0	2	2	6	NR	10
<b><i>State and tribal landfill and/or solid waste disposal site lists</i></b>								
CA SWF/LF	0.500		0	0	0	NR	NR	0
<b><i>State and tribal leaking storage tank lists</i></b>								
CA LUST	0.500	1	0	2	2	NR	NR	5

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
CA SLIC	0.500		0	0	3	NR	NR	3
CA Alameda County CS	0.500	1	0	0	0	NR	NR	1
<b>State and tribal registered storage tank lists</b>								
FEMA UST	0.250		0	0	NR	NR	NR	0
CA UST	0.250		0	0	NR	NR	NR	0
CA AST	0.250		0	2	NR	NR	NR	2
INDIAN UST	0.250		0	0	NR	NR	NR	0
<b>State and tribal voluntary cleanup sites</b>								
CA VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
<b>State and tribal Brownfields sites</b>								
CA BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b>ADDITIONAL ENVIRONMENTAL RECORDS</b>								
<b>Local Brownfield lists</b>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b>Local Lists of Landfill / Solid Waste Disposal Sites</b>								
CA WMUDS/SWAT	0.500		0	0	0	NR	NR	0
CA SWRCY	0.500		0	0	0	NR	NR	0
CA HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
<b>Local Lists of Hazardous waste / Contaminated Sites</b>								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
CA HIST Cal-Sites	1.000		0	0	0	0	NR	0
CA SCH	0.250		0	0	NR	NR	NR	0
CA CDL	0.001		0	NR	NR	NR	NR	0
CA Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
<b>Local Lists of Registered Storage Tanks</b>								
CA SWEEPS UST	0.250		0	1	NR	NR	NR	1
CA HIST UST	0.250		0	2	NR	NR	NR	2
CA FID UST	0.250		0	1	NR	NR	NR	1
<b>Local Land Records</b>								
CA LIENS	0.001		0	NR	NR	NR	NR	0
LIENS 2	0.001		0	NR	NR	NR	NR	0
CA DEED	0.500	1	0	0	0	NR	NR	1

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b>Records of Emergency Release Reports</b>								
HMIRS	0.001		0	NR	NR	NR	NR	0
CA CHMIRS	0.001		0	NR	NR	NR	NR	0
CA LDS	0.001		0	NR	NR	NR	NR	0
CA MCS	0.001		0	NR	NR	NR	NR	0
CA SPILLS 90	0.001		0	NR	NR	NR	NR	0
<b>Other Ascertainable Records</b>								
RCRA NonGen / NLR	0.250		0	3	NR	NR	NR	3
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	0.001		0	NR	NR	NR	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001	1	0	NR	NR	NR	NR	1
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
CA Cortese	0.500		0	0	0	NR	NR	0
CA CUPA Listings	0.250		0	0	NR	NR	NR	0
CA DRYCLEANERS	0.250		0	0	NR	NR	NR	0
CA EMI	0.001		0	NR	NR	NR	NR	0
CA ENF	0.001		0	NR	NR	NR	NR	0
CA Financial Assurance	0.001		0	NR	NR	NR	NR	0
CA HAZNET	0.001	1	0	NR	NR	NR	NR	1



Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**A1**      **OLIVER TRUST**  
**Target**    **4150 POINT EDEN WAY**  
**Property**   **HAYWARD, CA 94545**

**CA HAZNET**    **S112889654**  
 N/A

**Site 1 of 6 in cluster A**

**Actual:**  
**0 ft.**

HAZNET:

envid:            S112889654  
 Year:             1998  
 GEPAID:         CAC001416152  
 Contact:         OLIVER TRUST  
 Telephone:       5105386400  
 Mailing Name:    Not reported  
 Mailing Address: 22320 FOOTHILL BLVD STE 620  
 Mailing City,St,Zip: HAYWARD, CA 945410000  
 Gen County:      Not reported  
 TSD EPA ID:      CAD028409019  
 TSD County:      Not reported  
 Waste Category:  Aqueous solution with total organic residues less than 10 percent  
 Disposal Method: Treatment, Tank  
 Tons:             .8340  
 Cat Decode:      Not reported  
 Method Decode:  Not reported  
 Facility County:  1

envid:            S112889654  
 Year:             1998  
 GEPAID:         CAC001416152  
 Contact:         OLIVER TRUST  
 Telephone:       5105386400  
 Mailing Name:    Not reported  
 Mailing Address: 22320 FOOTHILL BLVD STE 620  
 Mailing City,St,Zip: HAYWARD, CA 945410000  
 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:             .6000  
 Cat Decode:      Not reported  
 Method Decode:  Not reported  
 Facility County:  1

**A2**      **OLD OLIVER SALT PLANT**  
**Target**    **4150 POINT EDEN WY**  
**Property**   **HAYWARD, CA**

**CA RGA LUST**    **S114663459**  
 N/A

**Site 2 of 6 in cluster A**

**Actual:**  
**0 ft.**

RGA LUST:

2012	OLD OLIVER SALT PLANT	4150 POINT EDEN WY
2011	OLD OLIVER SALT PLANT	4150 POINT EDEN WY
2010	OLD OLIVER SALT PLANT	4150 POINT EDEN WY
2009	OLD OLIVER SALT PLANT	4150 POINT EDEN WY
2008	OLD OLIVER SALT PLANT	4150 POINT EDEN WY
2007	OLD OLIVER SALT PLANT	4150 POINT EDEN WY
2006	OLD OLIVER SALT PLANT	4150 POINT EDEN WY
2005	OLD OLIVER SALT PLANT	4150 POINT EDEN WY
2003	OLD OLIVER SALT PLANT	4150 POINT EDEN WY
2002	OLD OLIVER SALT PLANT	4150 POINT EDEN WY

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**OLD OLIVER SALT PLANT (Continued)**

**S114663459**

2001 OLD OLIVER SALT PLANT 4150 POINT EDEN WY  
 2000 OLD OLIVER SALT PLANT 4150 POINT EDEN WY

**A3  
 Target  
 Property**

**OLIVER TRUST OLD SALT  
 4150 POINT EDEN WAY  
 HAYWARD, CA 94545**

**CA LUST  
 CA Alameda County CS**

**S106610920  
 N/A**

**Site 3 of 6 in cluster A**

**Actual:  
 0 ft.**

**LUST:**

Region: STATE  
 Global Id: T0600102273  
 Latitude: 37.6243611989606  
 Longitude: -122.130417823792  
 Case Type: LUST Cleanup Site  
 Status: Completed - Case Closed  
 Status Date: 02/27/2015  
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)  
 Case Worker: UUU  
 Local Agency: Not reported  
 RB Case Number: 01-2465  
 LOC Case Number: Not reported  
 File Location: Regional Board  
 Potential Media Affect: Other Groundwater (uses other than drinking water)  
 Potential Contaminants of Concern: Benzene, Diesel, Ethylbenzene, Gasoline, Heating Oil / Fuel Oil, Kerosene, Toluene, Total Petroleum Hydrocarbons (TPH), Xylene  
 Site History: Historic Salt Farm closed on 1/1/1981. Source of petroleum contamination is two underground tanks that were removed in 1998. Site has very shallow saline groundwater. Two remnant USTs used for kerosene, gasoline and diesel storage were removed in April-May 1998 by DECON Environmental. 500 cubic yards of impacted soil was excavated and hauled off-site for disposal to Altamont Landfill in Livermore, on July 6 and 7, 1998 by DECON. Soil contained diesel, gasoline, and BTEX compounds at elevated levels. During October 1999, DECON excavated an additional 500 tons of impacted soil from the Elevated Dike and former Train Barn area of the former Old Oliver Salt Plant and disposed off-site at Altamont Landfill. From September 2001 to July 2002, DECON stockpiled an additional 8,000 cubic yards of impacted soil for ex-situ treatment with mushroom compost for enhanced biodegradation and this soil was re-used on-site. Environmental Deed Restriction was recorded with the Alameda County 12/23/2014, and a Risk Management Plan dated November 18, 2014 was approved by the Regional Water Board Staff, to address residual pollutants at the site. Insitu chemical oxidation implemented as final cleanup plan for the site in Oct 2008. During October to November 2008, RegenOx and ORC Advanced was added using the Lang Tool and soil mixing to the impacted soil to breakdown the petroleum hydrocarbon contamination. Finally in September 2011, 208 tons of soil adjacent to the old wooden building was excavated and hauled offsite for disposal. The soil mixing was not effective for groundwater cleanup, as the TPH and Benzene concentrations increased in the groundwater after the soil cleanup plan was implemented. A deed restriction and risk management will address the residual pollution in soil and groundwater and protect human health and safety. Not reported

Click here to access the California GeoTracker records for this facility:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**OLIVER TRUST OLD SALT (Continued)**

**S106610920**

Contact:

Global Id: T0600102273  
Contact Type: Regional Board Caseworker  
Contact Name: Regional Water Board  
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)  
Address: 1515 CLAY ST SUITE 1400  
City: OAKLAND  
Email: Not reported  
Phone Number: Not reported

Status History:

Global Id: T0600102273  
Status: Open - Case Begin Date  
Status Date: 04/01/1998

Global Id: T0600102273  
Status: Open - Site Assessment  
Status Date: 04/27/1999

Global Id: T0600102273  
Status: Open - Site Assessment  
Status Date: 07/01/2001

Global Id: T0600102273  
Status: Open - Verification Monitoring  
Status Date: 01/01/2009

Global Id: T0600102273  
Status: Open - Remediation  
Status Date: 04/02/2009

Global Id: T0600102273  
Status: Open - Verification Monitoring  
Status Date: 05/27/2009

Global Id: T0600102273  
Status: Open - Eligible for Closure  
Status Date: 08/18/2014

Global Id: T0600102273  
Status: Completed - Case Closed  
Status Date: 02/27/2015

Regulatory Activities:

Global Id: T0600102273  
Action Type: REMEDIATION  
Date: 09/21/2011  
Action: Excavation

Global Id: T0600102273  
Action Type: ENFORCEMENT  
Date: 10/15/2008  
Action: 13267 Requirement

Global Id: T0600102273  
Action Type: ENFORCEMENT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**OLIVER TRUST OLD SALT (Continued)**

**S106610920**

Date: 09/19/2008  
Action: Notification - Public Notice of ROD/RAP/CAP - #01-2465

Global Id: T0600102273  
Action Type: ENFORCEMENT  
Date: 04/23/2013  
Action: Meeting

Global Id: T0600102273  
Action Type: ENFORCEMENT  
Date: 06/07/2001  
Action: Waste Discharge Requirements

Global Id: T0600102273  
Action Type: Other  
Date: 04/30/1998  
Action: Leak Stopped

Global Id: T0600102273  
Action Type: REMEDIATION  
Date: 06/01/1999  
Action: Excavation

Global Id: T0600102273  
Action Type: ENFORCEMENT  
Date: 03/24/2009  
Action: File review

Global Id: T0600102273  
Action Type: ENFORCEMENT  
Date: 09/21/2011  
Action: Site Visit / Inspection / Sampling

Global Id: T0600102273  
Action Type: Other  
Date: 05/21/1998  
Action: Leak Reported

Global Id: T0600102273  
Action Type: ENFORCEMENT  
Date: 08/28/2009  
Action: Staff Letter

Global Id: T0600102273  
Action Type: ENFORCEMENT  
Date: 12/03/2014  
Action: 13267 Requirement

Global Id: T0600102273  
Action Type: ENFORCEMENT  
Date: 08/20/2014  
Action: Notification - Public Notice of Case Closure

Global Id: T0600102273  
Action Type: ENFORCEMENT  
Date: 12/05/2014  
Action: 13267 Requirement

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**OLIVER TRUST OLD SALT (Continued)**

**S106610920**

Global Id:	T0600102273
Action Type:	ENFORCEMENT
Date:	01/12/2010
Action:	Staff Letter
Global Id:	T0600102273
Action Type:	ENFORCEMENT
Date:	12/20/2009
Action:	File review
Global Id:	T0600102273
Action Type:	RESPONSE
Date:	04/25/2013
Action:	Sensitive Receptor Survey Report
Global Id:	T0600102273
Action Type:	RESPONSE
Date:	01/31/2013
Action:	Request for Closure - Regulator Responded
Global Id:	T0600102273
Action Type:	ENFORCEMENT
Date:	02/27/2015
Action:	Closure/No Further Action Letter
Global Id:	T0600102273
Action Type:	ENFORCEMENT
Date:	12/23/2014
Action:	Meeting
Global Id:	T0600102273
Action Type:	ENFORCEMENT
Date:	12/23/2014
Action:	Deed Restriction / Land Use Restriction / Covenant - #2014313273
Global Id:	T0600102273
Action Type:	ENFORCEMENT
Date:	11/30/2014
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0600102273
Action Type:	RESPONSE
Date:	04/13/2016
Action:	Soil and Water Investigation Workplan - Regulator Responded
Global Id:	T0600102273
Action Type:	REMEDIATION
Date:	07/17/2001
Action:	Pump & Treat (P&T) Groundwater
Global Id:	T0600102273
Action Type:	REMEDIATION
Date:	10/01/2008
Action:	In Situ Physical/Chemical Treatment (other than SVE)
Global Id:	T0600102273
Action Type:	RESPONSE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**OLIVER TRUST OLD SALT (Continued)**

**S106610920**

Date: 01/26/2015  
Action: Well Destruction Report

Global Id: T0600102273  
Action Type: REMEDIATION  
Date: 09/01/2001  
Action: Excavation

Global Id: T0600102273  
Action Type: REMEDIATION  
Date: 09/01/2001  
Action: Ex Situ Biological Treatment

Global Id: T0600102273  
Action Type: ENFORCEMENT  
Date: 10/25/2011  
Action: 13267 Requirement

Global Id: T0600102273  
Action Type: ENFORCEMENT  
Date: 02/05/2013  
Action: File Review - Closure

Global Id: T0600102273  
Action Type: ENFORCEMENT  
Date: 10/29/2013  
Action: Staff Letter

Global Id: T0600102273  
Action Type: ENFORCEMENT  
Date: 09/21/2012  
Action: Staff Letter

Global Id: T0600102273  
Action Type: ENFORCEMENT  
Date: 07/17/2013  
Action: Meeting

Global Id: T0600102273  
Action Type: Other  
Date: 05/21/1998  
Action: Leak Discovery

Global Id: T0600102273  
Action Type: RESPONSE  
Date: 03/26/2009  
Action: Clean Up Fund - 5-Year Review Summary

**LUST REG 2:**

Region: 2  
Facility Id: 01-2465  
Facility Status: Leak being confirmed  
Case Number: 01-2465  
How Discovered: Tank Closure  
Leak Cause: UNK  
Leak Source: UNK

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**OLIVER TRUST OLD SALT (Continued)**

**S106610920**

Date Leak Confirmed: 4/27/1999  
 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

Alameda County CS:  
 Status: 11  
 Record Id: RO0000329  
 PE: 5602  
 Facility Status: Not reported

**A4  
 Target  
 Property**

**OLIVER SALT PONDS  
 4150 EDEN POINT WAY  
 HAYWARD, CA**

**CA NPDES S118602335  
 N/A**

**Site 4 of 6 in cluster A**

**Actual:  
 0 ft.**

NPDES:  
 Npdes Number: Not reported  
 Facility Status: Not reported  
 Agency Id: Not reported  
 Region: 2  
 Regulatory Measure Id: 180462  
 Order No: Not reported  
 Regulatory Measure Type: Construction  
 Place Id: Not reported  
 WDID: 2 01C324783  
 Program Type: Not reported  
 Adoption Date Of Regulatory Measure: Not reported  
 Effective Date Of Regulatory Measure: Not reported  
 Expiration Date Of Regulatory Measure: Not reported  
 Termination Date Of Regulatory Measure: 6/24/2010  
 Discharge Name: Not reported  
 Discharge Address: Not reported  
 Discharge City: Not reported  
 Discharge State: Not reported  
 Discharge Zip: Not reported  
 RECEIVED DATE: 5/9/2008  
 PROCESSED DATE: 11/20/2003  
 STATUS CODE NAME: Terminated  
 STATUS DATE: 7/7/2010  
 PLACE SIZE: 1  
 PLACE SIZE UNIT: 52  
 FACILITY CONTACT NAME: STEVE Corey  
 FACILITY CONTACT TITLE: Not reported  
 FACILITY CONTACT PHONE: 5107978661  
 FACILITY CONTACT PHONE EXT: Not reported  
 FACILITY CONTACT EMAIL: Not reported  
 OPERATOR NAME: Oliver Property LLC  
 OPERATOR ADDRESS: 39159 Paseo Padre Pkwy Ste 315  
 OPERATOR CITY: Fremont  
 OPERATOR STATE: California  
 OPERATOR ZIP: 94538

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**OLIVER SALT PONDS (Continued)**

**S118602335**

OPERATOR CONTACT NAME: MOREY Greenstein  
OPERATOR CONTACT TITLE: Not reported  
OPERATOR CONTACT PHONE: 510-797-8661  
OPERATOR CONTACT PHONE EXT: Not reported  
OPERATOR CONTACT EMAIL: Not reported  
OPERATOR TYPE: Other  
DEVELOPER NAME: Oliver Property LLC  
DEVELOPER ADDRESS: 39159 Paseo Padre Pkwy Ste 315  
DEVELOPER CITY: Fremont  
DEVELOPER STATE: California  
DEVELOPER ZIP: 94538  
DEVELOPER CONTACT NAME: MOREY Greenstein  
DEVELOPER CONTACT TITLE: Not reported  
CONSTYPE LINEAR UTILITY IND: Not reported  
EMERGENCY PHONE NO: 510-797-8661  
EMERGENCY PHONE EXT: Not reported  
CONSTYPE ABOVE GROUND IND: Not reported  
CONSTYPE BELOW GROUND IND: Not reported  
CONSTYPE CABLE LINE IND: Not reported  
CONSTYPE COMM LINE IND: Not reported  
CONSTYPE COMMERCIAL IND: Not reported  
CONSTYPE ELECTRICAL LINE IND: Not reported  
CONSTYPE GAS LINE IND: Not reported  
CONSTYPE INDUSTRIAL IND: Not reported  
CONSTYPE OTHER DESCRIPTION: Not reported  
CONSTYPE OTHER IND: Y  
CONSTYPE RECONS IND: Not reported  
CONSTYPE RESIDENTIAL IND: Not reported  
CONSTYPE TRANSPORT IND: Not reported  
CONSTYPE UTILITY DESCRIPTION: Not reported  
CONSTYPE UTILITY IND: Not reported  
CONSTYPE WATER SEWER IND: Not reported  
DIR DISCHARGE USWATER IND: Y  
RECEIVING WATER NAME: Not reported  
CERTIFIER NAME: Morey Greenstein  
CERTIFIER TITLE: Trustee  
CERTIFICATION DATE: 10-NOV-03  
PRIMARY SIC: Not reported  
SECONDARY SIC: Not reported  
TERTIARY SIC: Not reported

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

**OLD OLIVER SALT PLANT**  
**4150 POINT EDEN**  
**HAYWARD, CA 94545**

**CA DEED** S110060761  
**CA HIST CORTESE** N/A

**Site 5 of 6 in cluster A**

**Actual:**  
**0 ft.**

DEED:  
Envirostor ID: T0600102273  
Area: Not reported  
Sub Area: Not reported  
Site Type: LUFT  
Status: COMPLETED - CASE CLOSED  
Agency: SWRCB  
Covenant Uploaded: Y  
Deed Date(s): 12/23/2014

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**OLD OLIVER SALT PLANT (Continued)**

**S110060761**

HIST CORTESE:  
 Region: CORTESE  
 Facility County Code: 1  
 Reg By: LTNKA  
 Reg Id: 01-2465

**A6**      **16353 RB2**  
**Target**    **4150 POINT EDEN WY**  
**Property**   **HAYWARD, CA 94545**

**FINDS**    **1014673392**  
                  **N/A**

**Site 6 of 6 in cluster A**

**Actual:**  
**0 ft.**

FINDS:  
 Registry ID: 110043364640  
 Environmental Interest/Information System  
 LEAKING UNDERGROUND STORAGE TANK - ARRA

**7**      **RESTORATION MANAGEMENT COMPANY**  
**NE**      **4142 POINT EDEN WAY**  
**< 1/8**    **HAYWARD, CA 94545**  
**0.031 mi.**  
**164 ft.**

**CA EMI**    **S113111434**  
**CA HAZNET**   **N/A**  
**CA HWT**

**Relative:**  
**Higher**

EMI:  
 Year: 2014  
 County Code: 1  
 Air Basin: SF  
 Facility ID: 22420  
 Air District Name: BA  
 SIC Code: 8748  
 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: 0.000178709  
 Reactive Organic Gases Tons/Yr: 0  
 Carbon Monoxide Emissions Tons/Yr: 0.000965412  
 NOX - Oxides of Nitrogen Tons/Yr: 0.002984831  
 SOX - Oxides of Sulphur Tons/Yr: 5.438e-006  
 Particulate Matter Tons/Yr: 0.000151411  
 Part. Matter 10 Micrometers and Smlr Tons/Yr: 0.000145354

**Actual:**  
**8 ft.**

HAZNET:  
 envid: S113111434  
 Year: 2001  
 GEPAID: CAL000220955  
 Contact: JIM FRASER-FACILITIES MGR  
 Telephone: 5107233600  
 Mailing Name: Not reported  
 Mailing Address: 4142 POINT EDEN WAY  
 Mailing City, St, Zip: HAYWARD, CA 945450000  
 Gen County: Not reported  
 TSD EPA ID: NVR000043927

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RESTORATION MANAGEMENT COMPANY (Continued)**

**S113111434**

TSD County: Not reported  
Waste Category: Photochemicals/photoprocessing waste  
Disposal Method: Recycler  
Tons: 1.34  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Alameda

envid: S113111434  
Year: 2001  
GEPaid: CAL000220955  
Contact: JIM FRASER-FACILITIES MGR  
Telephone: 5107233600  
Mailing Name: Not reported  
Mailing Address: 4142 POINT EDEN WAY  
Mailing City,St,Zip: HAYWARD, CA 945450000  
Gen County: Not reported  
TSD EPA ID: CAT080014079  
TSD County: Not reported  
Waste Category: Off-specification, aged or surplus organics  
Disposal Method: Transfer Station  
Tons: 7.2  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Alameda

envid: S113111434  
Year: 2001  
GEPaid: CAL000220955  
Contact: JIM FRASER-FACILITIES MGR  
Telephone: 5107233600  
Mailing Name: Not reported  
Mailing Address: 4142 POINT EDEN WAY  
Mailing City,St,Zip: HAYWARD, CA 945450000  
Gen County: Not reported  
TSD EPA ID: CAT080014079  
TSD County: Not reported  
Waste Category: Off-specification, aged or surplus organics  
Disposal Method: Transfer Station  
Tons: 10.16  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Alameda

envid: S113111434  
Year: 2000  
GEPaid: CAL000220955  
Contact: JIM FRASER-FACILITIES MGR  
Telephone: 5107233600  
Mailing Name: Not reported  
Mailing Address: 4142 POINT EDEN WAY  
Mailing City,St,Zip: HAYWARD, CA 945450000  
Gen County: Not reported  
TSD EPA ID: CAL000197215  
TSD County: Not reported  
Waste Category: Photochemicals/photoprocessing waste  
Disposal Method: Recycler

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RESTORATION MANAGEMENT COMPANY (Continued)**

**S113111434**

Tons: 0  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Alameda

envid: S113111434  
Year: 2000  
GEPAID: CAL000220955  
Contact: JIM FRASER-FACILITIES MGR  
Telephone: 5107233600  
Mailing Name: Not reported  
Mailing Address: 4142 POINT EDEN WAY  
Mailing City,St,Zip: HAYWARD, CA 945450000  
Gen County: Not reported  
TSD EPA ID: CAT080013352  
TSD County: Not reported  
Waste Category: Not reported  
Disposal Method: Recycler  
Tons: 0  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Alameda

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

HWT:

Reg Num: 5536  
Expiration Date: 10/31/2016

**8**  
**North**  
**< 1/8**  
**0.094 mi.**  
**496 ft.**

**BIG AL'S WASTE HAULING**  
**4125 BREAKWATER AVE**  
**HAYWARD, CA 94545**

**SEMS-ARCHIVE 1003878649**  
**CAD980736664**

**Relative:**  
**Higher**

SEMS-ARCHIVE:  
Site ID: 902034  
EPA ID: CAD980736664  
Federal Facility: N  
NPL: Not on the NPL  
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

**Actual:**  
**7 ft.**

**Following information was gathered from the prior CERCLIS update completed in 10/2013:**  
Site ID: 0902034  
Federal Facility: Not a Federal Facility  
NPL Status: Not on the NPL  
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID: 13289768.00000  
Person ID: 13003854.00000

Contact Sequence ID: 13295363.00000  
Person ID: 13003858.00000

Contact Sequence ID: 13301221.00000

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIG AL'S WASTE HAULING (Continued)**

**1003878649**

Person ID: 13004003.00000

CERCLIS-NFRAP Assessment History:

Action: PRELIMINARY ASSESSMENT  
Date Started: / /  
Date Completed: 07/01/82  
Priority Level: Low priority for further assessment

Action: HAZARD RANKING SYSTEM PACKAGE  
Date Started: / /  
Date Completed: 10/01/81  
Priority Level: Not reported

Action: SITE INSPECTION  
Date Started: / /  
Date Completed: 10/01/81  
Priority Level: Higher priority for further assessment

Action: DISCOVERY  
Date Started: / /  
Date Completed: 09/01/81  
Priority Level: Not reported

Action: ARCHIVE SITE  
Date Started: / /  
Date Completed: 02/23/90  
Priority Level: Not reported

Action: SITE INSPECTION  
Date Started: / /  
Date Completed: 02/23/90  
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

9  
NE  
< 1/8  
0.107 mi.  
564 ft.

**PIONEER HI-BRED INTL, INC**  
**4030 POINT EDEN WAY**  
**HAYWARD, CA 94545**

**RCRA-SQG 1014387380**  
**CAR000209015**

**Relative:**  
**Higher**

RCRA-SQG:

Date form received by agency: 06/21/2010  
Facility name: PIONEER HI-BRED INTL, INC  
Facility address: 4030 POINT EDEN WAY  
HAYWARD, CA 94545  
EPA ID: CAR000209015  
Mailing address: 4010 POINT EDEN WAY  
HAYWARD, CA 94545  
Contact: MICHAEL BENNETT  
Contact address: 4010 POINT EDEN WAY  
HAYWARD, CA 94545  
Contact country: US  
Contact telephone: (650) 772-6656  
Contact email: MIKE.BENNETT@PIONEER.COM  
EPA Region: 09  
Classification: Small Small Quantity Generator  
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of

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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PIONEER HI-BRED INTL, INC (Continued)**

**1014387380**

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: PIONEER HI-BRED INT'L  
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: 06/11/2010  
Owner/Op end date: Not reported

Owner/operator name: HAYWARD POINT EDEN 1 LIMITED PARTNERSHIP  
Owner/operator address: 400 OYSTER POINT BLVD STE 409  
SOUTH SAN FRANCISCO, CA 94080  
Owner/operator country: US  
Owner/operator telephone: (650) 875-1004  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 08/01/2007  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
Used oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Universal Waste Summary:

Waste type: Batteries  
Accumulated waste on-site: Yes  
Generated waste on-site: Not reported

Waste type: Lamps  
Accumulated waste on-site: Yes  
Generated waste on-site: Not reported

Waste type: Pesticides  
Accumulated waste on-site: Yes  
Generated waste on-site: Not reported

Waste type: Thermostats

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PIONEER HI-BRED INTL, INC (Continued)**

**1014387380**

Accumulated waste on-site: Yes  
Generated waste on-site: Not reported

. Waste code: 122  
. Waste name: 122

. Waste code: 134  
. Waste name: 134

. Waste code: 211  
. Waste name: 211

. Waste code: 212  
. Waste name: 212

. Waste code: 214  
. Waste name: 214

. Waste code: 221  
. Waste name: 221

. Waste code: 231  
. Waste name: 231

. Waste code: 232  
. Waste name: 232

. Waste code: 331  
. Waste name: 331

. Waste code: 343  
. Waste name: 343

. Waste code: 491  
. Waste name: 491

. Waste code: 551  
. Waste name: 551

. Waste code: 791  
. Waste name: 791

. Waste code: D001  
. Waste name: IGNITABLE WASTE

. Waste code: D002  
. Waste name: CORROSIVE WASTE

. Waste code: D009  
. Waste name: MERCURY

. Waste code: D022  
. Waste name: CHLOROFORM

. Waste code: F003  
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**PIONEER HI-BRED INTL, INC (Continued)**

**1014387380**

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

**10  
 NE  
 1/8-1/4  
 0.126 mi.  
 665 ft.**

**LARRY TALLMAN  
 4125 BREAKWATER  
 HAYWARD, CA 94545**

**CA ENVIROSTOR S112900976  
 CA HAZNET N/A**

**Relative:  
 Higher**

**ENVIROSTOR:**

Facility ID: 1420125  
 Status: Inactive - Needs Evaluation  
 Status Date: 04/22/2002  
 Site Code: Not reported  
 Site Type: Evaluation  
 Site Type Detailed: Evaluation  
 Acres: 2  
 NPL: NO  
 Regulatory Agencies: DTSC  
 Lead Agency: DTSC  
 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: 37.62681  
 Longitude: -122.1288  
 APN: 439-99-14-5  
 Past Use: NONE SPECIFIED  
 Potential COC: \* HYDROCARBON SOLVENTS \* CONTAMINATED SOIL  
 Confirmed COC: NONE SPECIFIED  
 Potential Description: NONE SPECIFIED  
 Alias Name: Not reported  
 Alias Type: Not reported

**Actual:  
 11 ft.**

**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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LARRY TALLMAN (Continued)**

**S112900976**

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

**HAZNET:**

envid: S112900976  
Year: 1999  
GEPaid: CAC002176441  
Contact: LARRY TALLMAN  
Telephone: 5107494133  
Mailing Name: Not reported  
Mailing Address: 10 JODY CT  
Mailing City,St,Zip: SAN MATEO, CA 944020000  
Gen County: Not reported  
TSD EPA ID: CAD000088252  
TSD County: Not reported  
Waste Category: Unspecified oil-containing waste  
Disposal Method: Transfer Station  
Tons: 1.7500  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: 1

**B11  
NE  
1/8-1/4  
0.176 mi.  
930 ft.**

**AGTA CORPORATION  
3535 BREAKWATER AVE  
HAYWARD, CA 94545  
Site 1 of 5 in cluster B**

**RCRA-SQG 1000142189  
FINDS CAD981999659  
ECHO**

**Relative:  
Higher**

**RCRA-SQG:**

Date form received by agency: 06/12/1987  
Facility name: AGTA CORPORATION  
Facility address: 3535 BREAKWATER AVE  
HAYWARD, CA 94545  
EPA ID: CAD981999659  
Mailing address: BREAKWATER AVE  
HAYWARD, CA 94545  
Contact: ENVIRONMENTAL MANAGER  
Contact address: 3535 BREAKWATER AVE  
HAYWARD, CA 94545  
Contact country: US  
Contact telephone: (415) 782-1362  
Contact email: Not reported  
EPA Region: 09  
Classification: Small Small Quantity Generator  
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

**Actual:  
12 ft.**

**Owner/Operator Summary:**

Owner/operator name: AGTA CORPORATION  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999  
Owner/operator country: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AGTA CORPORATION (Continued)**

**1000142189**

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: 110002772072

**Environmental Interest/Information System**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**ECHO:**

Envid: 1000142189  
Registry ID: 110002772072  
DFR URL: [http://echo.epa.gov/detailed\\_facility\\_report?fid=110002772072](http://echo.epa.gov/detailed_facility_report?fid=110002772072)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**B12**  
**NE**  
**1/8-1/4**  
**0.176 mi.**  
**930 ft.**

**INEX PHARMACEUTICALS U S A INC**  
**3835 BREAKWATER AVE**  
**HAYWARD, CA 94545**

**RCRA NonGen / NLR**  
**FINDS**  
**CA HAZNET**  
**ECHO**

**1001217643**  
**CAR000038687**

**Site 2 of 5 in cluster B**

**Relative:**  
**Higher**

RCRA NonGen / NLR:

Date form received by agency: 06/21/1999  
Facility name: INEX PHARMACEUTICALS U S A INC  
Facility address: 3835 BREAKWATER AVE  
HAYWARD, CA 94545  
EPA ID: CAR000038687  
Contact: TOM MAC RURY  
Contact address: 100 8900 GLENLYON PKWY GLENLYON BUSINESS PARK  
BURNABY B C, CN V5J 5J8  
Contact country: CA  
Contact telephone: (604) 419-3204  
Contact email: Not reported  
EPA Region: 09  
Land type: Private  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

**Actual:**  
**12 ft.**

Owner/Operator Summary:

Owner/operator name: INEX PHARMACEUTICALS  
Owner/operator address: 3835 BREAKWATER AVE  
HAYWARD, CA 94545  
Owner/operator country: Not reported  
Owner/operator telephone: (510) 784-9080  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
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

. Waste code: D000  
. Waste name: Not Defined

. Waste code: D001  
. Waste name: IGNITABLE WASTE

. Waste code: D002

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**INEX PHARMACEUTICALS U S A INC (Continued)**

**1001217643**

- . Waste name: CORROSIVE WASTE
- . Waste code: D038
- . Waste name: PYRIDINE
- . Waste code: F001
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- . Waste code: F002
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- . Waste code: F003
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- . Waste code: F005
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Facility Has Received Notices of Violations:

Regulation violated: F - 262.30-34.C  
Area of violation: Generators - General  
Date violation determined: 02/09/1999  
Date achieved compliance: 07/20/1999  
Violation lead agency: EPA  
Enforcement action: Not reported  
Enforcement action date: 06/24/1999  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**INEX PHARMACEUTICALS U S A INC (Continued)**

**1001217643**

Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: F - 262.30-34.C  
Area of violation: Generators - General  
Date violation determined: 02/09/1999  
Date achieved compliance: 07/20/1999  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 06/28/1999  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

**Evaluation Action Summary:**

Evaluation date: 02/09/1999  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - General  
Date achieved compliance: 07/20/1999  
Evaluation lead agency: EPA

**FINDS:**

Registry ID: 110002921928

**Environmental Interest/Information System**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**HAZNET:**

envid: 1001217643  
Year: 1999  
GEPaid: CAR000038687  
Contact: INEX PHARMACEUTICALS  
Telephone: 0000000000  
Mailing Name: Not reported  
Mailing Address: 3835 BREAKWATER AVE  
Mailing City,St,Zip: HAYWARD, CA 945450000  
Gen County: Not reported  
TSD EPA ID: CAD009452657  
TSD County: Not reported  
Waste Category: Laboratory waste chemicals  
Disposal Method: Recycler  
Tons: .0060  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: 1

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**INEX PHARMACEUTICALS U S A INC (Continued)**

**1001217643**

envid: 1001217643  
Year: 1999  
GEPaid: CAR000038687  
Contact: INEX PHARMACEUTICALS  
Telephone: 0000000000  
Mailing Name: Not reported  
Mailing Address: 3835 BREAKWATER AVE  
Mailing City,St,Zip: HAYWARD, CA 945450000  
Gen County: Not reported  
TSD EPA ID: CAD009452657  
TSD County: Not reported  
Waste Category: Aqueous solution with total organic residues 10 percent or more  
Disposal Method: Recycler  
Tons: 2.0640  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: 1

envid: 1001217643  
Year: 1999  
GEPaid: CAR000038687  
Contact: INEX PHARMACEUTICALS  
Telephone: 0000000000  
Mailing Name: Not reported  
Mailing Address: 3835 BREAKWATER AVE  
Mailing City,St,Zip: HAYWARD, CA 945450000  
Gen County: Not reported  
TSD EPA ID: CAD009452657  
TSD County: Not reported  
Waste Category: Laboratory waste chemicals  
Disposal Method: Treatment, Incineration  
Tons: .2595  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: 1

envid: 1001217643  
Year: 1999  
GEPaid: CAR000038687  
Contact: INEX PHARMACEUTICALS  
Telephone: 0000000000  
Mailing Name: Not reported  
Mailing Address: 3835 BREAKWATER AVE  
Mailing City,St,Zip: HAYWARD, CA 945450000  
Gen County: Not reported  
TSD EPA ID: CAD009452657  
TSD County: Not reported  
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L  
Disposal Method: Recycler  
Tons: 3.8986  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: 1

envid: 1001217643  
Year: 1998  
GEPaid: CAR000038687

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**INEX PHARMACEUTICALS U S A INC (Continued)**

**1001217643**

Contact: INEX PHARMACEUTICALS  
 Telephone: 0000000000  
 Mailing Name: Not reported  
 Mailing Address: 3835 BREAKWATER AVE  
 Mailing City,St,Zip: HAYWARD, CA 945450000  
 Gen County: Not reported  
 TSD EPA ID: CAD009452657  
 TSD County: Not reported  
 Waste Category: Aqueous solution with total organic residues 10 percent or more  
 Disposal Method: Recycler  
 Tons: 2.2932  
 Cat Decode: Not reported  
 Method Decode: Not reported  
 Facility County: 1

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

**ECHO:**

Envid: 1001217643  
 Registry ID: 110002921928  
 DFR URL: [http://echo.epa.gov/detailed\\_facility\\_report?fid=110002921928](http://echo.epa.gov/detailed_facility_report?fid=110002921928)

**B13  
 NE  
 1/8-1/4  
 0.176 mi.  
 930 ft.**

**TRIMAC TRANSPORTATION SVCS., INC.  
 3751 BREAKWATER AVENUE  
 HAYWARD, CA 94545  
 Site 3 of 5 in cluster B**

**CA ENVIROSTOR S102826616  
 N/A**

**Relative:  
 Higher**

**ENVIROSTOR:**  
 Facility ID: 71003414  
 Status: Inactive - Needs Evaluation  
 Status Date: Not reported  
 Site Code: Not reported  
 Site Type: Tiered Permit  
 Site Type Detailed: Tiered Permit  
 Acres: Not reported  
 NPL: NO  
 Regulatory Agencies: NONE SPECIFIED  
 Lead Agency: NONE SPECIFIED  
 Program Manager: Not reported  
 Supervisor: Not reported  
 Division Branch: Cleanup Berkeley  
 Assembly: 20  
 Senate: 10  
 Special Program: Not reported  
 Restricted Use: NO  
 Site Mgmt Req: NONE SPECIFIED  
 Funding: Not reported  
 Latitude: 37.62757  
 Longitude: -122.1237  
 APN: NONE SPECIFIED  
 Past Use: NONE SPECIFIED  
 Potential COC: NONE SPECIFIED  
 Confirmed COC: NONE SPECIFIED  
 Potential Description: NONE SPECIFIED  
 Alias Name: CAL922524137

**Actual:  
 12 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRIMAC TRANSPORTATION SVCS., INC. (Continued)**

**S102826616**

Alias Type: EPA Identification Number  
Alias Name: 71003414  
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

**B14**  
**NE**  
**1/8-1/4**  
**0.179 mi.**  
**944 ft.**

**ESIGNAL**  
**3955 POINT EDEN WAY**  
**HAYWARD, CA**  
**Site 4 of 5 in cluster B**

**CA AST** **A100339245**  
**N/A**

**Relative:**  
**Higher**

AST:

**Actual:**  
**13 ft.**

Certified Unified Program Agencies: Hayward  
Owner: ESIGNAL  
Total Gallons: 3,600  
CERSID: Not reported  
Facility ID: Not reported  
Business Name: Not reported  
Phone: Not reported  
Fax: Not reported  
Mailing Address: Not reported  
Mailing Address City: Not reported  
Mailing Address State: Not reported  
Mailing Address Zip Code: Not reported  
Operator Name: Not reported  
Operator Phone: Not reported  
Owner Phone: Not reported  
Owner Mail Address: Not reported  
Owner State: Not reported  
Owner Zip Code: Not reported  
Owner Country: Not reported  
Property Owner Name: Not reported  
Property Owner Phone: Not reported  
Property Owner Mailing Address: Not reported  
Property Owner City: Not reported  
Property Owner Stat : Not reported  
Property Owner Zip Code: Not reported  
Property Owner Country: Not reported  
EPAID: Not reported

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**B15**  
**NE**  
**1/8-1/4**  
**0.179 mi.**  
**944 ft.**

**INTERACTIVE DATA**  
**3955 POINT EDEN WAY**  
**HAYWARD, CA 94545**  
  
**Site 5 of 5 in cluster B**

**CA AST**    **A100421000**  
**N/A**

**Relative:**  
**Higher**

AST:

Certified Unified Program Agencies: Not reported  
Owner: JOSIE VARGHESE, FACILITIES SUPERVISOR/BUYER  
Total Gallons: Not reported  
CERSID: 10314931  
Facility ID: 01-003-167001  
Business Name: INTERACTIVE DATA  
Phone: 510-266-6000  
Fax: Not reported  
Mailing Address: 3955 POINT EDEN WAY  
Mailing Address City: HAYWARD  
Mailing Address State: CA  
Mailing Address Zip Code: 94545  
Operator Name: JOSIE VARGHESE, FACILITIES SUPERVISOR/BUYER  
Operator Phone: 510-266-6000  
Owner Phone: 510-266-6000  
Owner Mail Address: 3955 POINT EDEN WAY  
Owner State: CA  
Owner Zip Code: 94545  
Owner Country: United States  
Property Owner Name: Not reported  
Property Owner Phone: Not reported  
Property Owner Mailing Address: Not reported  
Property Owner City: Not reported  
Property Owner Stat : Not reported  
Property Owner Zip Code: Not reported  
Property Owner Country: Not reported  
EPAID: Not reported

**Actual:**  
**13 ft.**

**C16**  
**ENE**  
**1/8-1/4**  
**0.191 mi.**  
**1007 ft.**

**ZYOMYX INC**  
**26101 RESEARCH RD**  
**HAYWARD, CA 94545**  
  
**Site 1 of 4 in cluster C**

**RCRA-SQG**    **1004678313**  
**FINDS**        **CAR000107417**  
**CA HAZNET**  
**ECHO**

**Relative:**  
**Higher**

RCRA-SQG:

Date form received by agency: 10/10/2001  
Facility name: ZYOMYX INC  
Facility address: 26101 RESEARCH RD  
HAYWARD, CA 94545  
  
EPA ID: CAR000107417  
Contact: DAN THEOBALD  
Contact address: 26101 RESEARCH RD  
HAYWARD, CA 94545  
  
Contact country: US  
Contact telephone: (510) 266-7748  
Contact email: Not reported  
EPA Region: 09  
Classification: Small Small Quantity Generator  
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

**Actual:**  
**13 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ZYOMYX INC (Continued)**

**1004678313**

Owner/Operator Summary:

Owner/operator name: ZYOMYX INC  
Owner/operator address: 26101 RESEARCH RD  
HAYWARD, CA 94545  
Owner/operator country: Not reported  
Owner/operator telephone: (510) 266-7500  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
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

. Waste code: D001  
. Waste name: IGNITABLE WASTE

. Waste code: D002  
. Waste name: CORROSIVE WASTE

. Waste code: D022  
. Waste name: CHLOROFORM

. Waste code: F002  
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003  
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ZYOMYX INC (Continued)**

**1004678313**

MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Historical Generators:

Date form received by agency: 10/10/2001  
Site name: ZYOMYX INC  
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110012195622

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

envid: 1004678313  
Year: 2011  
GEPaid: CAR000107417  
Contact: L. RUIZ-TAYLOR, MGR MFG & QA  
Telephone: 5102658005  
Mailing Name: Not reported  
Mailing Address: 26101 RESEARCH RD  
Mailing City,St,Zip: HAYWARD, CA 945450000  
Gen County: Not reported  
TSD EPA ID: CAD980884183  
TSD County: Not reported  
Waste Category: Not reported  
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Tons: 0.0005  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Alameda

envid: 1004678313  
Year: 2010  
GEPaid: CAR000107417  
Contact: L. RUIZ-TAYLOR, MGR MFG & QA  
Telephone: 5102658005  
Mailing Name: Not reported  
Mailing Address: 6519 DUMBARTON CTR  
Mailing City,St,Zip: FREMONT, CA 945553619

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ZYOMYX INC (Continued)**

**1004678313**

Gen County: Not reported  
TSD EPA ID: CAD980884183  
TSD County: Not reported  
Waste Category: Laboratory waste chemicals  
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Tons: 0.011  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Alameda

envid: 1004678313  
Year: 2010  
GEPaid: CAR000107417  
Contact: L. RUIZ-TAYLOR, MGR MFG & QA  
Telephone: 5102658005  
Mailing Name: Not reported  
Mailing Address: 6519 DUMBARTON CTR  
Mailing City,St,Zip: FREMONT, CA 945553619  
Gen County: Not reported  
TSD EPA ID: CAD980884183  
TSD County: Not reported  
Waste Category: Liquids with pH <= 2  
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Tons: 0.0065  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Alameda

envid: 1004678313  
Year: 2010  
GEPaid: CAR000107417  
Contact: L. RUIZ-TAYLOR, MGR MFG & QA  
Telephone: 5102658005  
Mailing Name: Not reported  
Mailing Address: 6519 DUMBARTON CTR  
Mailing City,St,Zip: FREMONT, CA 945553619  
Gen County: Not reported  
TSD EPA ID: CAD980884183  
TSD County: Not reported  
Waste Category: Alkaline solution without metals pH >= 12.5  
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Tons: 0.0025  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Alameda

envid: 1004678313  
Year: 2008  
GEPaid: CAR000107417  
Contact: L RUIZ-TAYLOR, SR RESEARCH  
Telephone: 5102658005  
Mailing Name: Not reported  
Mailing Address: 26101 RESEARCH RD  
Mailing City,St,Zip: HAYWARD, CA 945450000

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ZYOMYX INC (Continued)**

**1004678313**

Gen County: Not reported  
TSD EPA ID: CAD980884183  
TSD County: Not reported  
Waste Category: Laboratory waste chemicals  
Disposal Method: Not reported  
Tons: 0.005  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Alameda

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

ECHO:

Envid: 1004678313  
Registry ID: 110012195622  
DFR URL: [http://echo.epa.gov/detailed\\_facility\\_report?fid=110012195622](http://echo.epa.gov/detailed_facility_report?fid=110012195622)

**C17**  
**ENE**  
**1/8-1/4**  
**0.191 mi.**  
**1008 ft.**

**ENVIA SYSTEMS INC**  
**26138 RESEARCH RD**  
**HAYWARD, CA 94545**  
**Site 2 of 4 in cluster C**

**RCRA NonGen / NLR** **1010562334**  
**CAR000189811**

**Relative:**  
**Higher**

RCRA NonGen / NLR:

**Actual:**  
**12 ft.**

Date form received by agency: 11/18/2010  
Facility name: ENVIA SYSTEMS INC  
Facility address: 26138 RESEARCH RD  
HAYWARD, CA 94545  
EPA ID: CAR000189811  
Mailing address: 7979 GATEWAY BLVD  
NEWARK, CA 94560  
Contact: HERMAN LOPEZ  
Contact address: 7979 GATEWAY BLVD  
NEWARK, CA 94560  
Contact country: US  
Contact telephone: 510-962-3687  
Contact email: HLOPEZ@ENVIASYSTEMS.COM  
EPA Region: 09  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: HEALTHCARE PROPERTIES LLC  
Owner/operator address: 400 OYSTER PT STE 409  
SOUTH SAN FRANCISCO, CA 94080  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 09/01/2007  
Owner/Op end date: Not reported  
Owner/operator name: ENVIA SYSTEMS INC  
Owner/operator address: Not reported  
Not reported  
Owner/operator country: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENVIA SYSTEMS INC (Continued)**

**1010562334**

Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 11/07/2007  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 01/23/2008  
Site name: ENVIA SYSTEMS INC  
Classification: Small Quantity Generator

. Waste code: D001  
. Waste name: IGNITABLE WASTE

. Waste code: D002  
. Waste name: CORROSIVE WASTE

. Waste code: F003  
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005  
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

C18  
ENE  
1/8-1/4  
0.191 mi.  
1010 ft.

QUANTUM DOT CORP  
26136 RESEARCH RD  
HAYWARD, CA 94545  
  
Site 3 of 4 in cluster C

RCRA NonGen / NLR  
FINDS  
ECHO  
1004676670  
CAR000088070

Relative:  
Higher

RCRA NonGen / NLR:

Date form received by agency: 01/23/2007  
Facility name: QUANTUM DOT CORP  
Facility address: 26136 RESEARCH RD  
HAYWARD, CA 94545  
EPA ID: CAR000088070  
Mailing address: 29851 WILLOW CREEK RD  
EUGENE, OR 97402  
Contact: JENNIFER S OLSON  
Contact address: 29851 WILLOW CREEK RD  
EUGENE, OR 97402  
Contact country: US  
Contact telephone: 541-335-0458  
Contact email: Not reported  
EPA Region: 09  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Actual:  
12 ft.

Owner/Operator Summary:

Owner/operator name: JOEL F MARTIN  
Owner/operator address: 26136 RESEARCH RD  
HAYWARD, CA 94545  
Owner/operator country: Not reported  
Owner/operator telephone: (510) 887-8775  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
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: 12/11/2000  
Site name: QUANTUM DOT CORP  
Classification: Small Quantity Generator  
Waste code: D000

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**QUANTUM DOT CORP (Continued)**

**1004676670**

- . Waste name: Not Defined
  
- . Waste code: D001
- . Waste name: IGNITABLE WASTE
  
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
  
- . Waste code: D006
- . Waste name: CADMIUM
  
- . Waste code: D010
- . Waste name: SELENIUM
  
- . Waste code: F003
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

**FINDS:**

Registry ID: 110012259242

**Environmental Interest/Information System**

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**ECHO:**

Envid: 1004676670  
Registry ID: 110012259242  
DFR URL: [http://echo.epa.gov/detailed\\_facility\\_report?fid=110012259242](http://echo.epa.gov/detailed_facility_report?fid=110012259242)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**C19**  
**ENE**  
**1/8-1/4**  
**0.194 mi.**  
**1025 ft.**

**RIBGENE INC**  
**26118 RESEARCH RD**  
**HAYWARD, CA 94545**  
**Site 4 of 4 in cluster C**

**RCRA-SQG** **1001231319**  
**FINDS** **CAR000031484**  
**ECHO**

**Relative:**  
**Higher**

RCRA-SQG:

**Actual:**  
**13 ft.**

Date form received by agency: 09/15/1997  
Facility name: RIBGENE INC  
Facility address: 26118 RESEARCH RD  
HAYWARD, CA 94545  
EPA ID: CAR000031484  
Contact: GARY WITHERELL  
Contact address: 26118 RESEARCH RD  
HAYWARD, CA 94545  
Contact country: US  
Contact telephone: (510) 732-5551  
Contact email: Not reported  
EPA Region: 09  
Classification: Small Small Quantity Generator  
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: BRITANIA DEVELOPMENT  
Owner/operator address: 1939 HARRISON  
OAKLAND, CA 94612  
Owner/operator country: Not reported  
Owner/operator telephone: (510) 834-7116  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
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

. Waste code: D000  
. Waste name: Not Defined  
. Waste code: D001

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RIBGENE INC (Continued)**

**1001231319**

- . Waste name: IGNITABLE WASTE
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
- . Waste code: D003
- . Waste name: REACTIVE WASTE
- . Waste code: D011
- . Waste name: SILVER
- . Waste code: F003
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- . Waste code: F004
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- . Waste code: F009
- . Waste name: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

Violation Status: No violations found

**FINDS:**

Registry ID: 110002919085

**Environmental Interest/Information System**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**ECHO:**

Envid: 1001231319  
Registry ID: 110002919085  
DFR URL: [http://echo.epa.gov/detailed\\_facility\\_report?fid=110002919085](http://echo.epa.gov/detailed_facility_report?fid=110002919085)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**D20**      **KEEBLER COMPANY FACILITY**  
**NNE**      **3875 BAY CENTER PL**  
**1/8-1/4**    **HAYWARD, CA 94545**  
**0.220 mi.**  
**1164 ft.**    **Site 1 of 2 in cluster D**

**CA LUST**    **U001597152**  
**CA HIST UST**    **N/A**

**Relative:**  
**Higher**

LUST:

**Actual:**  
**8 ft.**

Region: STATE  
Global Id: T0600191826  
Latitude: 37.628197  
Longitude: -122.128619  
Case Type: LUST Cleanup Site  
Status: Completed - Case Closed  
Status Date: 03/13/2000  
Lead Agency: HAYWARD, CITY OF  
Case Worker: DMG  
Local Agency: HAYWARD, CITY OF  
RB Case Number: 01-2496  
LOC Case Number: 01-2496  
File Location: Not reported  
Potential Media Affect: Other Groundwater (uses other than drinking water)  
Potential Contaminants of Concern: Diesel  
Site History: Not reported

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

Contact:

Global Id: T0600191826  
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

Global Id: T0600191826  
Contact Type: Regional Board Caseworker  
Contact Name: Regional Water Board  
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)  
Address: 1515 CLAY ST SUITE 1400  
City: OAKLAND  
Email: Not reported  
Phone Number: Not reported

Status History:

Global Id: T0600191826  
Status: Open - Case Begin Date  
Status Date: 04/28/1995

Global Id: T0600191826  
Status: Open - Site Assessment  
Status Date: 01/16/1996

Global Id: T0600191826  
Status: Completed - Case Closed  
Status Date: 03/13/2000

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**KEEBLER COMPANY FACILITY (Continued)**

**U001597152**

Regulatory Activities:

Global Id:	T0600191826
Action Type:	Other
Date:	04/28/1995
Action:	Leak Stopped
Global Id:	T0600191826
Action Type:	Other
Date:	04/28/1995
Action:	Leak Reported
Global Id:	T0600191826
Action Type:	ENFORCEMENT
Date:	03/13/2000
Action:	Closure/No Further Action Letter
Global Id:	T0600191826
Action Type:	Other
Date:	04/28/1995
Action:	Leak Discovery

HIST UST:

File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000065510
Facility Type:	Other
Other Type:	DISTRIBUTION
Contact Name:	WILLIAM DILL
Telephone:	4157861991
Owner Name:	KEEBLER COMPANY
Owner Address:	3875 BAY CENTER PLACE
Owner City,St,Zip:	HAYWARD, CA 94545
Total Tanks:	0001
Tank Num:	001
Container Num:	416
Year Installed:	1985
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	20
Leak Detection:	Sensor Instrument

**D21**  
**NNE**  
**1/8-1/4**  
**0.220 mi.**  
**1164 ft.**

**KEEBLER COMPANY**  
**3875 BAY CENTER PL**  
**HAYWARD, CA 94545**  
**Site 2 of 2 in cluster D**

**CA LUST** **S104164358**  
**CA SWEEPS UST** **N/A**  
**CA HIST UST**  
**CA FID UST**

**Relative:**  
**Higher**

LUST REG 2:  
 Region: 2  
 Facility Id: 01-2496  
 Facility Status: Case Closed  
 Case Number: 01-2496  
 How Discovered: Tank Closure

**Actual:**  
**8 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KEEBLER COMPANY (Continued)**

**S104164358**

Leak Cause: UNK  
Leak Source: UNK  
Date Leak Confirmed: 1/16/1996  
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

**SWEEPS UST:**

Status: Active  
Comp Number: 65510  
Number: 1  
Board Of Equalization: 44-000964  
Referral Date: 07-08-93  
Action Date: 03-24-94  
Created Date: 02-29-88  
Owner Tank Id: 416  
SWRCB Tank Id: 01-003-065510-000001  
Tank Status: A  
Capacity: 10000  
Active Date: 10-29-92  
Tank Use: M.V. FUEL  
STG: P  
Content: DIESEL  
Number Of Tanks: 1

**HIST UST:**

File Number: 000360B2  
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000360B2.pdf>  
Region: Not reported  
Facility ID: Not reported  
Facility Type: Not reported  
Other Type: Not reported  
Contact Name: Not reported  
Telephone: Not reported  
Owner Name: Not reported  
Owner Address: Not reported  
Owner City,St,Zip: Not reported  
Total Tanks: Not reported

Tank Num: Not reported  
Container Num: Not reported  
Year Installed: Not reported  
Tank Capacity: Not reported  
Tank Used for: Not reported  
Type of Fuel: Not reported  
Container Construction Thickness: Not reported  
Leak Detection: Not reported

Click here for Geo Tracker PDF:

**CA FID UST:**

Facility ID: 01002923

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KEEBLER COMPANY (Continued)**

**S104164358**

Regulated By: UTNKA  
Regulated ID: 00065510  
Cortese Code: Not reported  
SIC Code: Not reported  
Facility Phone: 5107861991  
Mail To: Not reported  
Mailing Address: 2180 SAND HILL 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

**22  
NE  
1/8-1/4  
0.249 mi.  
1314 ft.**

**SOGETAL INC  
3872 BAY CENTER PLACE  
HAYWARD, CA 94545**

**RCRA-SQG 1000223701  
FINDS CAD147087928  
NY MANIFEST  
ECHO**

**Relative:  
Higher**

RCRA-SQG:

Date form received by agency: 09/04/1986  
Facility name: SOGETAL INC  
Facility address: 3872 BAY CENTER PLACE  
HAYWARD, CA 94545  
EPA ID: CAD147087928  
Mailing address: BAY CENTER PLACE  
HAYWARD, CA 94545  
Contact: ENVIRONMENTAL MANAGER  
Contact address: 3872 BAY CENTER PLACE  
HAYWARD, CA 94545  
Contact country: US  
Contact telephone: (415) 785-1881  
Contact email: Not reported  
EPA Region: 09  
Classification: Small Small Quantity Generator  
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

**Actual:  
11 ft.**

Owner/Operator Summary:

Owner/operator name: TRAMMELL CROW CO  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999  
Owner/operator country: Not reported  
Owner/operator telephone: (415) 555-1212  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SOGETAL INC (Continued)**

**1000223701**

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

Violation Status: No violations found

FINDS:

Registry ID: 110002668890

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

Country: USA  
EPA ID: CAD147087928  
Facility Status: Not reported  
Location Address 1: 3876 BAY CENTER PLACE  
Code: BP  
Location Address 2: Not reported  
Total Tanks: Not reported  
Location City: HAYWARD  
Location State: CA  
Location Zip: 94545  
Location Zip 4: Not reported

NY MANIFEST:

EPAID: CAD147087928  
Mailing Name: SOGETAL INCORPORATED

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SOGETAL INC (Continued)**

**1000223701**

Mailing Contact: SUSAN ROSSI  
Mailing Address 1: 3876 BAY CENTER PLACE  
Mailing Address 2: Not reported  
Mailing City: HAYWARD  
Mailing State: CA  
Mailing Zip: 94545  
Mailing Zip 4: Not reported  
Mailing Country: USA  
Mailing Phone: 4157851881

**NY MANIFEST:**

Document ID: NYB4471614  
Manifest Status: K  
seq: Not reported  
Year: 1992  
Trans1 State ID: 11282PNY  
Trans2 State ID: Not reported  
Generator Ship Date: 04/10/1992  
Trans1 Recv Date: 04/10/1992  
Trans2 Recv Date: / /  
TSD Site Recv Date: 04/30/1992  
Part A Recv Date: / /  
Part B Recv Date: 06/05/1992  
Generator EPA ID: CAD147087928  
Trans1 EPA ID: NYD980769947  
Trans2 EPA ID: Not reported  
TSD ID 1: NYD000632372  
TSD ID 2: Not reported  
Manifest Tracking Number: Not reported  
Import Indicator: Not reported  
Export Indicator: Not reported  
Discr Quantity Indicator: Not reported  
Discr Type Indicator: Not reported  
Discr Residue Indicator: Not reported  
Discr Partial Reject Indicator: Not reported  
Discr Full Reject Indicator: Not reported  
Manifest Ref Number: Not reported  
Alt Facility RCRA ID: Not reported  
Alt Facility Sign Date: Not reported  
MGMT Method Type Code: Not reported  
Waste Code: D003 - NON-LISTED REACTIVE WASTES  
Waste Code: Not reported  
Quantity: 00025  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 100

**ECHO:**

Envid: 1000223701

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**SOGETAL INC (Continued)**

**1000223701**

Registry ID: 110002668890  
 DFR URL: [http://echo.epa.gov/detailed\\_facility\\_report?fid=110002668890](http://echo.epa.gov/detailed_facility_report?fid=110002668890)

**23**  
**ENE**  
 1/4-1/2  
 0.371 mi.  
 1961 ft.

**PT EDEN BUSINESS PARK**  
**3920 POINT EDEN WY**  
**HAYWARD, CA 94545**

**CA LUST**  
**CA HIST CORTESE**

**S101439255**  
**N/A**

**Relative:**  
**Higher**

LUST REG 2:  
 Region: 2  
 Facility Id: 01-1209  
 Facility Status: Leak being confirmed  
 Case Number: 01-1209  
 How Discovered: Tank Closure  
 Leak Cause: Structure Failure  
 Leak Source: Tank  
 Date Leak Confirmed: 10/19/1990  
 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

**Actual:**  
**16 ft.**

HIST CORTESE:  
 Region: CORTESE  
 Facility County Code: 1  
 Reg By: LTNKA  
 Reg Id: 01-1209

**24**  
**East**  
 1/4-1/2  
 0.415 mi.  
 2189 ft.

**PLATRON**  
**26260 EDEN LANDING RD**  
**HAYWARD, CA 94545**

**RCRA-LQG**  
**CA ENVIROSTOR**  
**FINDS**  
**ECHO**

**1001217406**  
**CAR000033746**

**Relative:**  
**Higher**

RCRA-LQG:  
 Date form received by agency: 06/23/2016  
 Facility name: PLATRON COMPANY WEST LLC.  
 Facility address: 26260 EDEN LANDING RD.  
 HAYWARD, CA 94545  
 EPA ID: CAR000033746  
 Mailing address: EDEN LANDING RD.  
 HAYWARD, CA 94545  
 Contact: JOSE L MUGUERZA  
 Contact address: EDEN LANDING RD.  
 HAYWARD, CA 94545  
 Contact country: US  
 Contact telephone: (510) 781-5588  
 Contact email: JMUGS@HOTMAIL.COM  
 EPA Region: 09  
 Land type: Private  
 Classification: Large Quantity Generator  
 Description: Handler: generates 1,000 kg or more of hazardous waste during any

**Actual:**  
**8 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PLATRON (Continued)**

**1001217406**

calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: BRUCE GARRATT  
Owner/operator address: 749 ARLINGTON CIR  
NOVATO, CA 94947  
Owner/operator country: Not reported  
Owner/operator telephone: (415) 382-8857  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Owner/operator name: PS BUSINESS PARKS  
Owner/operator address: WALSH AVE  
SANTA CLARA, CA 95051  
Owner/operator country: US  
Owner/operator telephone: (408) 453-9921  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 06/01/2013  
Owner/Op end date: Not reported

Owner/operator name: PLATRON COMPANY WEST LLC  
Owner/operator address: Not reported  
Not reported  
Owner/operator country: Not reported  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 07/29/2005  
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  
Used oil refiner: No  
Used oil fuel marketer to burner: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PLATRON (Continued)**

**1001217406**

Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

. Waste code: 181  
. Waste name: 181

. Waste code: 352  
. Waste name: 352

. Waste code: 726  
. Waste name: 726

. Waste code: 792  
. Waste name: 792

. Waste code: D002  
. Waste name: CORROSIVE WASTE

. Waste code: D007  
. Waste name: CHROMIUM

. Waste code: D008  
. Waste name: LEAD

Historical Generators:

Date form received by agency: 02/16/2008  
Site name: PLATRON COMPANY WEST LLC  
Classification: Conditionally Exempt Small Quantity Generator

. Waste code: D002  
. Waste name: CORROSIVE WASTE

Date form received by agency: 02/27/2005  
Site name: PLATRON  
Classification: Conditionally Exempt Small Quantity Generator

. Waste code: D002  
. Waste name: CORROSIVE WASTE

Date form received by agency: 02/27/2004  
Site name: PLATRON  
Classification: Large Quantity Generator

. Waste code: D002  
. Waste name: CORROSIVE WASTE

. Waste code: D007  
. Waste name: CHROMIUM

. Waste code: D008  
. Waste name: LEAD

Date form received by agency: 02/27/2002  
Site name: PLATRON  
Classification: Large Quantity Generator

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PLATRON (Continued)**

**1001217406**

Date form received by agency: 10/12/2000  
Site name: PLATRON COMPANY WEST  
Classification: Large Quantity Generator

Date form received by agency: 11/14/1997  
Site name: PLATRON CO W  
Classification: Small Quantity Generator

. Waste code: D000  
. Waste name: Not Defined

. Waste code: D002  
. Waste name: CORROSIVE WASTE

. Waste code: D008  
. Waste name: LEAD

Facility Has Received Notices of Violations:

Regulation violated: Not reported  
Area of violation: Generators - General  
Date violation determined: 02/26/2009  
Date achieved compliance: 03/26/2009  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 02/26/2009  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: Not reported  
Area of violation: Generators - Pre-transport  
Date violation determined: 01/05/2006  
Date achieved compliance: 05/08/2006  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 03/21/2006  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: Not reported  
Area of violation: Generators - Pre-transport  
Date violation determined: 01/05/2006  
Date achieved compliance: 05/08/2006  
Violation lead agency: EPA  
Enforcement action: Not reported  
Enforcement action date: 01/25/2006  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PLATRON (Continued)**

**1001217406**

Final penalty amount: Not reported  
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 02/26/2009  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - General  
Date achieved compliance: 03/26/2009  
Evaluation lead agency: State

Evaluation date: 01/05/2006  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - Pre-transport  
Date achieved compliance: 05/08/2006  
Evaluation lead agency: EPA

ENVIROSTOR:

Facility ID: 71003473  
Status: Inactive - Needs Evaluation  
Status Date: Not reported  
Site Code: Not reported  
Site Type: Tiered Permit  
Site Type Detailed: Tiered Permit  
Acres: Not reported  
NPL: NO  
Regulatory Agencies: NONE SPECIFIED  
Lead Agency: NONE SPECIFIED  
Program Manager: Not reported  
Supervisor: Not reported  
Division Branch: Cleanup Berkeley  
Assembly: 20  
Senate: 10  
Special Program: Not reported  
Restricted Use: NO  
Site Mgmt Req: NONE SPECIFIED  
Funding: Not reported  
Latitude: 37.62357  
Longitude: -122.1225  
APN: NONE SPECIFIED  
Past Use: NONE SPECIFIED  
Potential COC: NONE SPECIFIED  
Confirmed COC: NONE SPECIFIED  
Potential Description: NONE SPECIFIED  
Alias Name: CAR000033746  
Alias Type: EPA Identification Number  
Alias Name: 110002919977  
Alias Type: EPA (FRS #)  
Alias Name: 71003473  
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Phase 1  
Completed Date: 01/14/1998  
Comments: Environmental assessment conducted and attached to Phase 1 checklist.  
No releases documented.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PLATRON (Continued)**

**1001217406**

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

**FINDS:**

Registry ID: 110002919977

**Environmental Interest/Information System**

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**HAZARDOUS WASTE BIENNIAL REPORTER**

**STATE MASTER**

**ECHO:**

Envid: 1001217406  
Registry ID: 110002919977  
DFR URL: [http://echo.epa.gov/detailed\\_facility\\_report?fid=110002919977](http://echo.epa.gov/detailed_facility_report?fid=110002919977)

**E25**  
**North**  
**1/4-1/2**  
**0.426 mi.**  
**2250 ft.**

**ROHM & HAAS CHEMICALS LLC**  
**25500 WHITESELL ST**  
**HAYWARD, CA 94545**  
**Site 1 of 3 in cluster E**

**CA SLIC 1000293880**  
**CA SWEEPS UST 94545RHMND25500**  
**CA HIST UST**  
**CA FID UST**  
**TRIS**  
**CA EMI**

**Relative:**  
**Higher**

**SLIC REG 2:**

**Actual:**  
**10 ft.**

Region: 2  
Facility ID: 01S0122  
Facility Status: Pollution Characterization  
Date Closed: Not reported  
Local Case #: 01S0122  
How Discovered: Tank Closure  
Leak Cause: UNK  
Leak Source: UNK  
Date Confirmed: 3/1/1988  
Date Prelim Site Assmnt Workplan Submitted: Not reported  
Date Preliminary Site Assessment Began: Not reported  
Date Pollution Characterization Began: 6/14/1988

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROHM & HAAS CHEMICALS LLC (Continued)**

**1000293880**

Date Remediation Plan Submitted: Not reported  
Date Remedial Action Underway: Not reported  
Date Post Remedial Action Monitoring Began: Not reported

**SWEEPS UST:**

Status: Not reported  
Comp Number: 700  
Number: Not reported  
Board Of Equalization: 44-000780  
Referral Date: Not reported  
Action Date: Not reported  
Created Date: Not reported  
Owner Tank Id: Not reported  
SWRCB Tank Id: 01-003-000700-000001  
Tank Status: Not reported  
Capacity: 7150  
Active Date: Not reported  
Tank Use: UNKNOWN  
STG: PRODUCT  
Content: Not reported  
Number Of Tanks: 4

Status: Not reported  
Comp Number: 700  
Number: Not reported  
Board Of Equalization: 44-000780  
Referral Date: Not reported  
Action Date: Not reported  
Created Date: Not reported  
Owner Tank Id: Not reported  
SWRCB Tank Id: 01-003-000700-000002  
Tank Status: Not reported  
Capacity: 9800  
Active Date: Not reported  
Tank Use: UNKNOWN  
STG: WASTE  
Content: Not reported  
Number Of Tanks: Not reported

Status: Not reported  
Comp Number: 700  
Number: Not reported  
Board Of Equalization: 44-000780  
Referral Date: Not reported  
Action Date: Not reported  
Created Date: Not reported  
Owner Tank Id: Not reported  
SWRCB Tank Id: 01-003-000700-000003  
Tank Status: Not reported  
Capacity: 7150  
Active Date: Not reported  
Tank Use: UNKNOWN  
STG: WASTE  
Content: Not reported  
Number Of Tanks: Not reported

Status: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROHM & HAAS CHEMICALS LLC (Continued)**

**1000293880**

Comp Number: 700  
Number: Not reported  
Board Of Equalization: 44-000780  
Referral Date: Not reported  
Action Date: Not reported  
Created Date: Not reported  
Owner Tank Id: Not reported  
SWRCB Tank Id: 01-003-000700-000004  
Tank Status: Not reported  
Capacity: 20000  
Active Date: Not reported  
Tank Use: M.V. FUEL  
STG: PRODUCT  
Content: DIESEL  
Number Of Tanks: Not reported

**HIST UST:**

File Number: 000362CD  
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000362CD.pdf>  
Region: STATE  
Facility ID: 00000000700  
Facility Type: Other  
Other Type: Not reported  
Contact Name: MR. J.B. WHITE, PRESIDENT  
Telephone: 4157860100  
Owner Name: ROHM & HAAS COMPANY  
Owner Address: INDEPENDENCE MALL WEST  
Owner City,St,Zip: PHILADELPHIA, PA 19105  
Total Tanks: 0004

Tank Num: 001  
Container Num: -477  
Year Installed: 1977  
Tank Capacity: 00007150  
Tank Used for: PRODUCT  
Type of Fuel: Not reported  
Container Construction Thickness: 5/16  
Leak Detection: Groundwater Monitoring Well

Tank Num: 002  
Container Num: CB#1  
Year Installed: 1971  
Tank Capacity: 00009800  
Tank Used for: WASTE  
Type of Fuel: Not reported  
Container Construction Thickness: 12  
Leak Detection: Visual

Tank Num: 003  
Container Num: 475  
Year Installed: 1977  
Tank Capacity: 00007150  
Tank Used for: WASTE  
Type of Fuel: Not reported  
Container Construction Thickness: 5/16  
Leak Detection: Visual, Groundwater Monitoring Well

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROHM & HAAS CHEMICALS LLC (Continued)**

**1000293880**

Tank Num: 004  
Container Num: 104  
Year Installed: 1977  
Tank Capacity: 00020000  
Tank Used for: PRODUCT  
Type of Fuel: DIESEL  
Container Construction Thickness: 5/16  
Leak Detection: Stock Inventor, Vapor Sniff Well

Click here for Geo Tracker PDF:

CA FID UST:

Facility ID: 01001373  
Regulated By: UTKNI  
Regulated ID: 00000700  
Cortese Code: Not reported  
SIC Code: Not reported  
Facility Phone: 4157860100  
Mail To: Not reported  
Mailing Address: 25500 WHITESELL 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

TRIS:

[Click this hyperlink](#) while viewing on your computer to access 10 additional US\_TRIS: record(s) in the EDR Site Report.

EMI:

Year: 1987  
County Code: 1  
Air Basin: SF  
Facility ID: 200  
Air District Name: BA  
SIC Code: 2821  
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: 1  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1990  
County Code: 1  
Air Basin: SF  
Facility ID: 200

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROHM & HAAS CHEMICALS LLC (Continued)**

**1000293880**

Air District Name: BA  
SIC Code: 2821  
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: 17  
Reactive Organic Gases Tons/Yr: 17  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 2  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Year: 1995  
County Code: 1  
Air Basin: SF  
Facility ID: 200  
Air District Name: BA  
SIC Code: 2821  
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: 42  
Reactive Organic Gases Tons/Yr: 38  
Carbon Monoxide Emissions Tons/Yr: 1  
NOX - Oxides of Nitrogen Tons/Yr: 2  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Year: 1996  
County Code: 1  
Air Basin: SF  
Facility ID: 200  
Air District Name: BA  
SIC Code: 2821  
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: 22  
Reactive Organic Gases Tons/Yr: 22  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 2  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Year: 1997  
County Code: 1  
Air Basin: SF  
Facility ID: 200  
Air District Name: BA  
SIC Code: 2821  
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: 22

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROHM & HAAS CHEMICALS LLC (Continued)**

**1000293880**

Reactive Organic Gases Tons/Yr: 22  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 2  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Year: 1998  
County Code: 1  
Air Basin: SF  
Facility ID: 200  
Air District Name: BA  
SIC Code: 2821  
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: 22  
Reactive Organic Gases Tons/Yr: 22  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 2  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Year: 1999  
County Code: 1  
Air Basin: SF  
Facility ID: 200  
Air District Name: BA  
SIC Code: 2821  
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: 42  
Reactive Organic Gases Tons/Yr: 42  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 2  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Year: 2000  
County Code: 1  
Air Basin: SF  
Facility ID: 200  
Air District Name: BA  
SIC Code: 2821  
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: 42  
Reactive Organic Gases Tons/Yr: 42  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 2  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROHM & HAAS CHEMICALS LLC (Continued)**

**1000293880**

Year: 2001  
County Code: 1  
Air Basin: SF  
Facility ID: 200  
Air District Name: BA  
SIC Code: 2821  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Y  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 49  
Reactive Organic Gases Tons/Yr: 49  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 2  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2002  
County Code: 1  
Air Basin: SF  
Facility ID: 200  
Air District Name: BA  
SIC Code: 2821  
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: 50  
Reactive Organic Gases Tons/Yr: 49  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 2  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2003  
County Code: 1  
Air Basin: SF  
Facility ID: 200  
Air District Name: BA  
SIC Code: 2821  
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: 36  
Reactive Organic Gases Tons/Yr: 34  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 2  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2004  
County Code: 1  
Air Basin: SF  
Facility ID: 200  
Air District Name: BA  
SIC Code: 2821

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROHM & HAAS CHEMICALS LLC (Continued)**

**1000293880**

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: 35.713  
Reactive Organic Gases Tons/Yr: 33.9135804  
Carbon Monoxide Emissions Tons/Yr: 0.429  
NOX - Oxides of Nitrogen Tons/Yr: 1.806  
SOX - Oxides of Sulphur Tons/Yr: 0.008  
Particulate Matter Tons/Yr: 0.075  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.0717

Year: 2006  
County Code: 1  
Air Basin: SF  
Facility ID: 17553  
Air District Name: BA  
SIC Code: 2821  
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: 24.781  
Reactive Organic Gases Tons/Yr: 24.6213636  
Carbon Monoxide Emissions Tons/Yr: .477  
NOX - Oxides of Nitrogen Tons/Yr: 2.024  
SOX - Oxides of Sulphur Tons/Yr: .009  
Particulate Matter Tons/Yr: .048  
Part. Matter 10 Micrometers and Smlr Tons/Yr:.0479

Year: 2007  
County Code: 1  
Air Basin: SF  
Facility ID: 17553  
Air District Name: BA  
SIC Code: 2821  
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: 24.778  
Reactive Organic Gases Tons/Yr: 24.6183636  
Carbon Monoxide Emissions Tons/Yr: .477  
NOX - Oxides of Nitrogen Tons/Yr: 2.024  
SOX - Oxides of Sulphur Tons/Yr: .009  
Particulate Matter Tons/Yr: .048  
Part. Matter 10 Micrometers and Smlr Tons/Yr:.0479

Year: 2008  
County Code: 1  
Air Basin: SF  
Facility ID: 17553  
Air District Name: BA  
SIC Code: 2821  
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: 24.104  
Reactive Organic Gases Tons/Yr: 23.2742223  
Carbon Monoxide Emissions Tons/Yr: .573

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROHM & HAAS CHEMICALS LLC (Continued)**

**1000293880**

NOX - Oxides of Nitrogen Tons/Yr: 3.326  
SOX - Oxides of Sulphur Tons/Yr: .011  
Particulate Matter Tons/Yr: .095  
Part. Matter 10 Micrometers and Smlr Tons/Yr: .089722

Year: 2009  
County Code: 1  
Air Basin: SF  
Facility ID: 17553  
Air District Name: BA  
SIC Code: 2821  
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: 24.539000000000001  
Reactive Organic Gases Tons/Yr: 23.3346217  
Carbon Monoxide Emissions Tons/Yr: 0.7309999999999999  
NOX - Oxides of Nitrogen Tons/Yr: 3.9740000000000002  
SOX - Oxides of Sulphur Tons/Yr: 1.0999999999999999E-2  
Particulate Matter Tons/Yr: 9.0484320557491199E-2  
Part. Matter 10 Micrometers and Smlr Tons/Yr: 8.599999999999993E-2

Year: 2010  
County Code: 1  
Air Basin: SF  
Facility ID: 17553  
Air District Name: BA  
SIC Code: 2821  
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: 24.509  
Reactive Organic Gases Tons/Yr: 23.3305133  
Carbon Monoxide Emissions Tons/Yr: 0.7339999999999999  
NOX - Oxides of Nitrogen Tons/Yr: 4.1740000000000004  
SOX - Oxides of Sulphur Tons/Yr: 0.012  
Particulate Matter Tons/Yr: 0.104710801393728  
Part. Matter 10 Micrometers and Smlr Tons/Yr: 9.729999999999998E-2

Year: 2011  
County Code: 1  
Air Basin: SF  
Facility ID: 17553  
Air District Name: BA  
SIC Code: 2821  
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: 20.372  
Reactive Organic Gases Tons/Yr: 19.2485173  
Carbon Monoxide Emissions Tons/Yr: 0.688  
NOX - Oxides of Nitrogen Tons/Yr: 4.26  
SOX - Oxides of Sulphur Tons/Yr: 0.012  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr: 0

Year: 2012

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROHM & HAAS CHEMICALS LLC (Continued)**

**1000293880**

County Code: 1  
Air Basin: SF  
Facility ID: 17553  
Air District Name: BA  
SIC Code: 2821  
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: 20.372  
Reactive Organic Gases Tons/Yr: 19.2485173  
Carbon Monoxide Emissions Tons/Yr: 0.688  
NOX - Oxides of Nitrogen Tons/Yr: 4.26  
SOX - Oxides of Sulphur Tons/Yr: 0.012  
Particulate Matter Tons/Yr: 0.109333333333  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.105

Year: 2013  
County Code: 1  
Air Basin: SF  
Facility ID: 17553  
Air District Name: BA  
SIC Code: 2821  
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: 20.333  
Reactive Organic Gases Tons/Yr: 19.2139824  
Carbon Monoxide Emissions Tons/Yr: 0.699  
NOX - Oxides of Nitrogen Tons/Yr: 4.274  
SOX - Oxides of Sulphur Tons/Yr: 0.012  
Particulate Matter Tons/Yr: 0.109  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.105

Year: 2014  
County Code: 1  
Air Basin: SF  
Facility ID: 17553  
Air District Name: BA  
SIC Code: 2821  
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: 20.355012704  
Reactive Organic Gases Tons/Yr: 0  
Carbon Monoxide Emissions Tons/Yr: 0.701094815  
NOX - Oxides of Nitrogen Tons/Yr: 4.284852667  
SOX - Oxides of Sulphur Tons/Yr: 0.012976629  
Particulate Matter Tons/Yr: 0.113945841  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.109261042

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

E26  
North  
1/4-1/2  
0.426 mi.  
2250 ft.

ROHM & HAAS CHEMICALS LLC  
25500 WHITESELL STREET  
HAYWARD, CA 94545

SEMS-ARCHIVE  
RCRA-LQG  
FINDS  
ECHO

1015732704  
CAD020028072

Site 2 of 3 in cluster E

Relative:  
Higher

SEMS-ARCHIVE:

Site ID: 901250  
EPA ID: CAD020028072  
Federal Facility: N  
NPL: Not on the NPL  
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

Actual:  
10 ft.

Following information was gathered from the prior CERCLIS update completed in 10/2013:

Site ID: 0901250  
Federal Facility: Not a Federal Facility  
NPL Status: Not on the NPL  
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID: 13285910.00000  
Person ID: 13003854.00000

Contact Sequence ID: 13291505.00000  
Person ID: 13003858.00000

Contact Sequence ID: 13297363.00000  
Person ID: 13004003.00000

CERCLIS-NFRAP Assessment History:

Action: PRELIMINARY ASSESSMENT  
Date Started: / /  
Date Completed: 02/01/82  
Priority Level: Low priority for further assessment

Action: DISCOVERY  
Date Started: / /  
Date Completed: 11/01/79  
Priority Level: Not reported

Action: ARCHIVE SITE  
Date Started: / /  
Date Completed: 09/01/84  
Priority Level: Not reported

Action: SITE INSPECTION  
Date Started: / /  
Date Completed: 09/01/84  
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

RCRA-LQG:

Date form received by agency: 03/02/2010  
Facility name: ROHM AND HAAS CHEMICALS LLC  
Facility address: 25500 WHITESELL STREET  
HAYWARD, CA 94545  
EPA ID: CAD020028072  
Mailing address: WHITESELL STREET  
HAYWARD, CA 94545

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROHM & HAAS CHEMICALS LLC (Continued)**

**1015732704**

Contact: KATHLEEN A HADDOCK  
Contact address: WHITESELL STREET  
HAYWARD, CA 94545  
Contact country: US  
Contact telephone: (510) 784-5705  
Contact email: KHADDOCK@ROHMHAAAS.COM  
EPA Region: 09  
Land type: Private  
Classification: Large Quantity Generator  
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

**Owner/Operator Summary:**

Owner/operator name: ROHM AND HAAS CO  
Owner/operator address: 25500 WHITESELL ST  
HAYWARD, CA 94545  
Owner/operator country: Not reported  
Owner/operator telephone: (510) 786-0100  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported  
Owner/operator name: ROHM AND HAAS CHEMICALS LLC  
Owner/operator address: Not reported  
Not reported  
Owner/operator country: Not reported  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 12/31/2005  
Owner/Op end date: Not reported  
Owner/operator name: ROHM AND HAAS CHEMICALS LLC  
Owner/operator address: INDEPENDENCE MALL WEST  
PHILADELPHIA, PA 19106  
Owner/operator country: Not reported  
Owner/operator telephone: (215) 592-3000  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 12/31/2005  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROHM & HAAS CHEMICALS LLC (Continued)**

**1015732704**

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

. Waste code: 122  
. Waste name: 122

. Waste code: 123  
. Waste name: 123

. Waste code: 133  
. Waste name: 133

. Waste code: 134  
. Waste name: 134

. Waste code: 135  
. Waste name: 135

. Waste code: 141  
. Waste name: 141

. Waste code: 151  
. Waste name: 151

. Waste code: 181  
. Waste name: 181

. Waste code: 212  
. Waste name: 212

. Waste code: 213  
. Waste name: 213

. Waste code: 221  
. Waste name: 221

. Waste code: 223

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROHM & HAAS CHEMICALS LLC (Continued)**

**1015732704**

- . Waste code: 223
- . Waste name: 223
- . Waste code: 271
- . Waste name: 271
- . Waste code: 331
- . Waste name: 331
- . Waste code: 343
- . Waste name: 343
- . Waste code: 352
- . Waste name: 352
- . Waste code: 513
- . Waste name: 513
- . Waste code: 551
- . Waste name: 551
- . Waste code: D001
- . Waste name: IGNITABLE WASTE
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
- . Waste code: D008
- . Waste name: LEAD
- . Waste code: D009
- . Waste name: MERCURY
- . Waste code: F003
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- . Waste code: U007
- . Waste name: 2-PROPENAMIDE (OR) ACRYLAMIDE
- . Waste code: U008
- . Waste name: 2-PROPENOIC ACID (I) (OR) ACRYLIC ACID (I)
- . Waste code: U009
- . Waste name: 2-PROPENITRILE (OR) ACRYLONITRILE
- . Waste code: U113
- . Waste name: 2-PROPENOIC ACID, ETHYL ESTER (I) (OR) ETHYL ACRYLATE (I)
- . Waste code: U122

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROHM & HAAS CHEMICALS LLC (Continued)**

**1015732704**

- . Waste name: FORMALDEHYDE
- . Waste code: U162
- . Waste name: 2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER (I,T) (OR) METHYL METHACRYLATE (I,T)
- . Waste code: U239
- . Waste name: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Historical Generators:

Date form received by agency: 01/25/2006

Site name: ROHM AND HAAS CHEMICALS LLC

Classification: Large Quantity Generator

- . Waste code: F003
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- . Waste code: U001
- . Waste name: ACETALDEHYDE (I) (OR) ETHANAL (I)
- . Waste code: U007
- . Waste name: 2-PROPENAMIDE (OR) ACRYLAMIDE
- . Waste code: U009
- . Waste name: 2-PROPENITRILE (OR) ACRYLONITRILE
- . Waste code: U080
- . Waste name: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE
- . Waste code: U113
- . Waste name: 2-PROPENOIC ACID, ETHYL ESTER (I) (OR) ETHYL ACRYLATE (I)
- . Waste code: U122
- . Waste name: FORMALDEHYDE
- . Waste code: U162
- . Waste name: 2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER (I,T) (OR) METHYL METHACRYLATE (I,T)

Date form received by agency: 09/16/1998

Site name: ROHM AND HAAS CO

Classification: Small Quantity Generator

- . Waste code: D001
- . Waste name: IGNITABLE WASTE
- . Waste code: D002
- . Waste name: CORROSIVE WASTE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROHM & HAAS CHEMICALS LLC (Continued)**

**1015732704**

- . Waste code: D008
- . Waste name: LEAD
  
- . Waste code: D018
- . Waste name: BENZENE
  
- . Waste code: D039
- . Waste name: TETRACHLOROETHYLENE
  
- . Waste code: D040
- . Waste name: TRICHLOROETHYLENE
  
- . Waste code: F003
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
  
- . Waste code: U001
- . Waste name: ACETALDEHYDE (I) (OR) ETHANAL (I)
  
- . Waste code: U007
- . Waste name: 2-PROPENAMIDE (OR) ACRYLAMIDE
  
- . Waste code: U009
- . Waste name: 2-PROPENITRILE (OR) ACRYLONITRILE
  
- . Waste code: U080
- . Waste name: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE
  
- . Waste code: U113
- . Waste name: 2-PROPENOIC ACID, ETHYL ESTER (I) (OR) ETHYL ACRYLATE (I)
  
- . Waste code: U162
- . Waste name: 2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER (I,T) (OR) METHYL METHACRYLATE (I,T)

Date form received by agency: 09/01/1996  
Site name: ROHM AND HAAS CO  
Classification: Large Quantity Generator

Date form received by agency: 03/31/1994  
Site name: ROHM AND HASS CALIFORNIA, INC  
Classification: Large Quantity Generator

Date form received by agency: 02/26/1992  
Site name: ROHM AND HAAS CALIFORNIA  
Classification: Large Quantity Generator

Date form received by agency: 04/12/1990  
Site name: ROHM AND HAAS CALIFORNIA INC.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROHM & HAAS CHEMICALS LLC (Continued)**

**1015732704**

Classification: Large Quantity Generator

Facility Has Received Notices of Violations:

Regulation violated: Not reported  
Area of violation: Generators - General  
Date violation determined: 02/23/1984  
Date achieved compliance: 02/23/1984  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 02/23/1984  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 12/13/2010  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 12/16/2008  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 05/23/1986  
Evaluation: FINANCIAL RECORD REVIEW  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 02/23/1984  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - General  
Date achieved compliance: 02/23/1984  
Evaluation lead agency: State

FINDS:

Registry ID: 110000483138

Environmental Interest/Information System

AIR EMISSIONS CLASSIFICATION UNKNOWN

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROHM & HAAS CHEMICALS LLC (Continued)**

**1015732704**

transported off-site.

**HAZARDOUS AIR POLLUTANT MAJOR**

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.

**STATE MASTER**

**HAZARDOUS WASTE BIENNIAL REPORTER**

US EPA Risk Management Plan (RMP) database stores the risk management plans reported by companies that handle, manufacture, use, or store certain flammable or toxic substances, as required under section 112(r) of the Clean Air Act (CAA).

**ECHO:**

Envid: 1015732704  
Registry ID: 110000483138  
DFR URL: [http://echo.epa.gov/detailed\\_facility\\_report?fid=110000483138](http://echo.epa.gov/detailed_facility_report?fid=110000483138)

**E27**  
**North**  
**1/4-1/2**  
**0.426 mi.**  
**2250 ft.**

**ROHM & HAAS INC**  
**25500 WHITESELL ST**  
**HAYWARD, CA 94545**  
**Site 3 of 3 in cluster E**

**CA LUST** **S100275249**  
**CA SLIC** **N/A**  
**CA CHMIRS**  
**CA HIST CORTESE**  
**CA NPDES**

**Relative:**  
**Higher**

**LUST:**

Region: STATE  
Global Id: T0600101155  
Latitude: 37.62786506  
Longitude: -122.124925  
Case Type: LUST Cleanup Site  
Status: Completed - Case Closed  
Status Date: 04/08/2010  
Lead Agency: HAYWARD, CITY OF  
Case Worker: DMG  
Local Agency: HAYWARD, CITY OF  
RB Case Number: 01-1257  
LOC Case Number: 01-1257  
File Location: Local Agency  
Potential Media Affect: Soil  
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating  
Site History: Not reported

**Actual:**  
**10 ft.**

Click here to access the California GeoTracker records for this facility:

**Contact:**

Global Id: T0600101155  
Contact Type: Local Agency Caseworker  
Contact Name: DANILO M. GALANG  
Organization Name: HAYWARD, CITY OF  
Address: 777 B STREET

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROHM & HAAS INC (Continued)**

**S100275249**

City: HAYWARD  
Email: danny.galang@hayward-ca.gov  
Phone Number: Not reported

Status History:

Global Id: T0600101155  
Status: Open - Case Begin Date  
Status Date: 03/27/1985

Global Id: T0600101155  
Status: Open - Site Assessment  
Status Date: 03/27/1985

Global Id: T0600101155  
Status: Open - Referred  
Status Date: 10/22/2009

Global Id: T0600101155  
Status: Completed - Case Closed  
Status Date: 04/08/2010

Regulatory Activities:

Global Id: T0600101155  
Action Type: ENFORCEMENT  
Date: 03/25/2009  
Action: File review

Global Id: T0600101155  
Action Type: Other  
Date: 03/27/1985  
Action: Leak Stopped

Global Id: T0600101155  
Action Type: Other  
Date: 03/27/1985  
Action: Leak Reported

Global Id: T0600101155  
Action Type: RESPONSE  
Date: 03/27/1985  
Action: Other Report / Document

Global Id: T0600101155  
Action Type: ENFORCEMENT  
Date: 10/22/2009  
Action: Referral to Regional Board

Global Id: T0600101155  
Action Type: RESPONSE  
Date: 06/13/1992  
Action: Other Report / Document

Global Id: T0600101155  
Action Type: RESPONSE  
Date: 02/16/1985  
Action: Other Report / Document

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROHM & HAAS INC (Continued)**

**S100275249**

Global Id: T0600101155  
Action Type: ENFORCEMENT  
Date: 04/08/2010  
Action: State Water Board Closure Order

Global Id: T0600101155  
Action Type: Other  
Date: 03/27/1985  
Action: Leak Discovery

**LUST REG 2:**

Region: 2  
Facility Id: 01-1257  
Facility Status: Leak being confirmed  
Case Number: 01-1257  
How Discovered: Tank Closure  
Leak Cause: Structure Failure  
Leak Source: Tank  
Date Leak Confirmed: 3/27/1985  
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

**SLIC:**

Region: STATE  
**Facility Status: Completed - Case Closed**  
Status Date: 06/03/2009  
Global Id: T0600191500  
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)  
Lead Agency Case Number: 01S0122  
Latitude: 37.629772  
Longitude: -122.12401  
Case Type: Cleanup Program Site  
Case Worker: UUU  
Local Agency: HAYWARD, CITY OF  
RB Case Number: 01S0122  
File Location: Not reported  
Potential Media Affected: Other Groundwater (uses other than drinking water)  
Potential Contaminants of Concern: Not reported  
Site History: Not reported

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

**CHMIRS:**

OES Incident Number: 5-2609  
OES notification: 05/01/2005  
OES Date: Not reported  
OES Time: Not reported  
**Date Completed: Not reported**  
Property Use: Not reported  
Agency Id Number: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROHM & HAAS INC (Continued)**

**S100275249**

Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agency Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	none
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	UPRR
Incident Date:	5/1/200512:00:00 AM
Admin Agency:	Hayward Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Rail Road
E Date:	Not reported
Substance:	derailment
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROHM & HAAS INC (Continued)**

**S100275249**

Comments:	Not reported
Description:	One end of one rail car derailed upright. It is a load of hazardous material but nothing was spilled. Styrene monomer is the cargo. They will be bringing in a crane in the morning to lift the back wheels back on the track.
OES Incident Number:	909460
OES notification:	Not reported
OES Date:	Not reported
OES Time:	Not reported
<b>Date Completed:</b>	<b>29-DEC-89</b>
Property Use:	700
Agency Id Number:	1045
Agency Incident Number:	12-624-89
Time Notified:	1745
Time Completed:	Not reported
Surrounding Area:	600
Estimated Temperature:	50
Property Management:	Not reported
More Than Two Substances Involved?:	N
Resp Agncy Personel # Of Decontaminated:	0
Responding Agency Personel # Of Injuries:	0
Responding Agency Personel # Of Fatalities:	0
Others Number Of Decontaminated:	0
Others Number Of Injuries:	0
Others Number Of Fatalities:	0
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	DENNIS O'SULLIVAN, BATT CHIEF
Report Date:	29-DEC-89
Facility Telephone:	415 784-8622
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Not reported
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	88-92
Agency:	Not reported
Incident Date:	29-DEC-89
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Not reported
Site Type:	Not reported
E Date:	24-MAY-90
Substance:	Not reported
Unknown:	Not reported
Substance #2:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROHM & HAAS INC (Continued)**

**S100275249**

Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Not reported

**HIST CORTESE:**

Region:	CORTESE
Facility County Code:	1
Reg By:	LTNKA
Reg Id:	01-1257

**NPDES:**

Npdes Number:	CAS000001
Facility Status:	Active
Agency Id:	0
Region:	2
Regulatory Measure Id:	277031
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	2 011020007
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	12/30/2005
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Rohm Haas Chemicals LLC
Discharge Address:	25500 Whitesell St
Discharge City:	Hayward
Discharge State:	California
Discharge Zip:	94545
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**ROHM & HAAS INC (Continued)**

**S100275249**

OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESCRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

**F28**  
**ENE**  
 1/4-1/2  
 0.479 mi.  
 2531 ft.

**EDEN PLAZA PROPERTIES**  
**3521 INVESTMENT BLVD # 3583**  
**HAYWARD, CA 94545**

**CA ENVIROSTOR**    **S102008256**  
 N/A

**Site 1 of 4 in cluster F**

**Relative:**  
**Higher**

ENVIROSTOR:  
 Facility ID: 1730059  
 Status: Refer: RWQCB  
 Status Date: 08/30/2002  
 Site Code: Not reported  
 Site Type: Historical  
 Site Type Detailed: \* Historical  
 Acres: Not reported  
 NPL: NO

**Actual:**  
**16 ft.**

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**EDEN PLAZA PROPERTIES (Continued)**

**S102008256**

Regulatory Agencies: RWQCB 2 - San Francisco Bay  
 Lead Agency: RWQCB 2 - San Francisco Bay  
 Program Manager: Not reported  
 Supervisor: Referred - Not Assigned  
 Division Branch: Cleanup Berkeley  
 Assembly: 20  
 Senate: 10  
 Special Program: Not reported  
 Restricted Use: NO  
 Site Mgmt Req: NONE SPECIFIED  
 Funding: Not reported  
 Latitude: 37.62550  
 Longitude: -122.1211  
 APN: NONE SPECIFIED  
 Past Use: NONE SPECIFIED  
 Potential COC: NONE SPECIFIED  
 Confirmed COC: NONE SPECIFIED  
 Potential Description: NONE SPECIFIED  
 Alias Name: Not reported  
 Alias Type: Not reported

Completed Info:

Completed Area Name: Not reported  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Not reported  
 Completed Date: Not reported  
 Comments: Not reported

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

**F29**  
**ENE**  
**1/4-1/2**  
**0.479 mi.**  
**2531 ft.**

**EDEN PLAZA PROPS**  
**3521-3583 INVESTMENT BLVD**  
**HAYWARD, CA 94541**  
**Site 2 of 4 in cluster F**

**SEMS-ARCHIVE 1003878047**  
**CAD982416661**

**Relative:**  
**Higher**

SEMS-ARCHIVE:  
 Site ID: 900462  
 EPA ID: CAD982416661

**Actual:**  
**16 ft.**

Federal Facility: N  
 NPL: Not on the NPL  
 Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

**Following information was gathered from the prior CERCLIS update completed in 10/2013:**

Site ID: 0900462  
 Federal Facility: Not a Federal Facility  
 NPL Status: Not on the NPL  
 Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**EDEN PLAZA PROPS (Continued)**

**1003878047**

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID: 13288122.00000  
 Person ID: 13003854.00000

Contact Sequence ID: 13293717.00000  
 Person ID: 13003858.00000

Contact Sequence ID: 13299575.00000  
 Person ID: 13004003.00000

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY  
 Date Started: / /  
 Date Completed: 12/01/87  
 Priority Level: Not reported

Action: ARCHIVE SITE  
 Date Started: / /  
 Date Completed: 04/27/89  
 Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT  
 Date Started: / /  
 Date Completed: 04/27/89  
 Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

**F30**  
**ENE**  
 1/4-1/2  
 0.479 mi.  
 2531 ft.

**EDEN PLAZA PROPERTIES**  
**35213583 INVESTMENT BLVD**  
**HAYWARD, CA 94541**  
 Site 3 of 4 in cluster F

**CA HIST CORTESE** **S105024056**  
**N/A**

**Relative:**  
**Higher**

HIST CORTESE:  
 Region: CORTESE  
 Facility County Code: 1  
 Reg By: CALSI  
 Reg Id: 01730059

**Actual:**  
**16 ft.**

**F31**  
**East**  
 1/4-1/2  
 0.494 mi.  
 2607 ft.

**EDEN PLAZA & EDEN ROCK**  
**3521-3583 INVESTMENT BOULEVARD**  
**HAYWARD, CA 94545**  
 Site 4 of 4 in cluster F

**CA SLIC** **S117338888**  
**N/A**

**Relative:**  
**Higher**

SLIC:  
 Region: STATE  
**Facility Status:** **Open - Inactive**  
 Status Date: 09/26/2014  
 Global Id: T10000006239  
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)  
 Lead Agency Case Number: Not reported  
 Latitude: 37.6244932  
 Longitude: -122.1217302  
 Case Type: Cleanup Program Site  
 Case Worker: UUU

**Actual:**  
**14 ft.**

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**EDEN PLAZA & EDEN ROCK (Continued)**

**S117338888**

Local Agency: Not reported  
 RB Case Number: 01NBT0093  
 File Location: All Files are on GeoTracker or in the Local Agency Database  
 Potential Media Affected: Other Groundwater (uses other than drinking water)  
 Potential Contaminants of Concern: Trichloroethylene (TCE), Freon  
 Site History: Not reported

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

**32**  
**North**  
**1/2-1**  
**0.565 mi.**  
**2982 ft.**  
  
**Relative:**  
**Higher**  
  
**Actual:**  
**13 ft.**

**LES MC DONALD CONSTRUCTION CO**  
**3500 ENTERPRISE AVE**  
**HAYWARD, CA 94545**

**RCRA-SQG 1000123817**  
**CA ENVIROSTOR CAD982471971**  
**CA LUST**  
**CA SWEEPS UST**  
**CA HIST UST**  
**CA FID UST**  
**CA HIST CORTESE**  
**CA HWT**  
**CA NPDES**  
**CA WDS**

RCRA-SQG:  
 Date form received by agency: 05/06/1988  
 Facility name: LES MC DONALD CONSTRUCTION CO  
 Facility address: 3500 ENTERPRISE AVE  
 HAYWARD, CA 94545  
 EPA ID: CAD982471971  
 Mailing address: P.O.BOX FOURTH THOUSAND SEVENT  
 HAYWARD, CA 94540  
 Contact: ENVIRONMENTAL MANAGER  
 Contact address: 3500 ENTERPRISE AVE  
 HAYWARD, CA 94545  
 Contact country: US  
 Contact telephone: (415) 785-4844  
 Contact email: Not reported  
 EPA Region: 09  
 Classification: Small Small Quantity Generator  
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:  
 Owner/operator name: LESLIE MCDONALD  
 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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LES MC DONALD CONSTRUCTION CO (Continued)**

**1000123817**

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

ENVIROSTOR:

Facility ID: 1150001  
Status: Refer: Other Agency  
Status Date: 03/17/1988  
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: 20  
Senate: 10  
Special Program: Not reported  
Restricted Use: NO  
Site Mgmt Req: NONE SPECIFIED  
Funding: Not reported  
Latitude: 37.63333  
Longitude: -122.1225  
APN: NONE SPECIFIED  
Past Use: NONE SPECIFIED  
Potential COC: \* HYDROCARBON SOLVENTS \* CONTAMINATED SOIL \* WASTE POTENTIALLY CONTAINING DIOXINS  
Confirmed COC: NONE SPECIFIED  
Potential Description: NONE SPECIFIED  
Alias Name: Not reported  
Alias Type: Not reported

Completed Info:

Completed Area Name: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LES MC DONALD CONSTRUCTION CO (Continued)**

**1000123817**

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

**LUST:**

Region: STATE  
Global Id: T0600100877  
Latitude: 37.6332706  
Longitude: -122.1245278  
Case Type: LUST Cleanup Site  
Status: Completed - Case Closed  
Status Date: 02/18/2000  
Lead Agency: HAYWARD, CITY OF  
Case Worker: DMG  
Local Agency: HAYWARD, CITY OF  
RB Case Number: 01-0952  
LOC Case Number: 01-0952  
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: T0600100877  
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

Global Id: T0600100877  
Contact Type: Regional Board Caseworker  
Contact Name: Regional Water Board  
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)  
Address: 1515 CLAY ST SUITE 1400  
City: OAKLAND  
Email: Not reported  
Phone Number: Not reported

**Status History:**

Global Id: T0600100877  
Status: Open - Case Begin Date

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LES MC DONALD CONSTRUCTION CO (Continued)**

**1000123817**

Status Date: 04/01/1988  
  
Global Id: T0600100877  
Status: Open - Site Assessment  
Status Date: 08/08/1988  
  
Global Id: T0600100877  
Status: Open - Site Assessment  
Status Date: 11/18/1997  
  
Global Id: T0600100877  
Status: Completed - Case Closed  
Status Date: 02/18/2000

Regulatory Activities:

Global Id: T0600100877  
Action Type: Other  
Date: 04/01/1988  
Action: Leak Stopped  
  
Global Id: T0600100877  
Action Type: Other  
Date: 04/01/1988  
Action: Leak Reported  
  
Global Id: T0600100877  
Action Type: Other  
Date: 04/01/1988  
Action: Leak Discovery

LUST REG 2:

Region: 2  
Facility Id: 01-0952  
Facility Status: Case Closed  
Case Number: 01-0952  
How Discovered: Tank Closure  
Leak Cause: Structure Failure  
Leak Source: Tank  
Date Leak Confirmed: 8/8/1988  
Oversight Program: LUST  
Prelim. Site Assessment Workplan Submitted: 11/18/1997  
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

SWEEPS UST:

Status: Active  
Comp Number: 9803  
Number: 3  
Board Of Equalization: Not reported  
Referral Date: 08-19-93  
Action Date: 03-24-94  
Created Date: 10-11-90

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LES MC DONALD CONSTRUCTION CO (Continued)**

**1000123817**

Owner Tank Id: Not reported  
SWRCB Tank Id: 01-003-009803-000002  
Tank Status: A  
Capacity: 10000  
Active Date: 10-11-90  
Tank Use: M.V. FUEL  
STG: P  
Content: DIESEL  
Number Of Tanks: 1

Status: Not reported  
Comp Number: 9803  
Number: Not reported  
Board Of Equalization: Not reported  
Referral Date: Not reported  
Action Date: Not reported  
Created Date: Not reported  
Owner Tank Id: Not reported  
SWRCB Tank Id: 01-003-009803-000001  
Tank Status: Not reported  
Capacity: 500  
Active Date: Not reported  
Tank Use: OIL  
STG: WASTE  
Content: WASTE OIL  
Number Of Tanks: 1

**HIST UST:**

File Number: 00036124  
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00036124.pdf>  
Region: STATE  
Facility ID: 00000046304  
Facility Type: Other  
Other Type: CONSTRUCTION  
Contact Name: IAN MCKENZIE  
Telephone: 4157854844  
Owner Name: MCDONALD-ORMOND INV.  
Owner Address: 3500 ENTERPRISE AVENUE  
Owner City,St,Zip: HAYWARD, CA 94545  
Total Tanks: 0002

Tank Num: 001  
Container Num: 1  
Year Installed: Not reported  
Tank Capacity: 00002000  
Tank Used for: PRODUCT  
Type of Fuel: UNLEADED  
Container Construction Thickness: Not reported  
Leak Detection: Visual

Tank Num: 002  
Container Num: 2  
Year Installed: Not reported  
Tank Capacity: 00010000  
Tank Used for: PRODUCT  
Type of Fuel: DIESEL  
Container Construction Thickness: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LES MC DONALD CONSTRUCTION CO (Continued)**

**1000123817**

Leak Detection: Visual

[Click here for Geo Tracker PDF:](#)

**CA FID UST:**

Facility ID: 01001076  
Regulated By: UTNKA  
Regulated ID: CAD053044  
Cortese Code: Not reported  
SIC Code: Not reported  
Facility Phone: 4157828801  
Mail To: Not reported  
Mailing Address: 3500 ENTERPRISE 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

Facility ID: 01001076  
Regulated By: UTNKI  
Regulated ID: 00046304  
Cortese Code: Not reported  
SIC Code: Not reported  
Facility Phone: 4157854844  
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

**HIST CORTESE:**

Region: CORTESE  
Facility County Code: 1  
Reg By: LTNKA  
Reg Id: 01-0952

**HWT:**

Reg Num: 6021  
Expiration Date: 06/30/2016

**NPDES:**

Npdes Number: Not reported  
Facility Status: Not reported  
Agency Id: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LES MC DONALD CONSTRUCTION CO (Continued)**

**1000123817**

Region: 2  
Regulatory Measure Id: 181230  
Order No: Not reported  
Regulatory Measure Type: Industrial  
Place Id: Not reported  
WDID: 2 011017407  
Program Type: Not reported  
Adoption Date Of Regulatory Measure: Not reported  
Effective Date Of Regulatory Measure: Not reported  
Expiration Date Of Regulatory Measure: Not reported  
Termination Date Of Regulatory Measure: Not reported  
Discharge Name: Not reported  
Discharge Address: Not reported  
Discharge City: Not reported  
Discharge State: Not reported  
Discharge Zip: Not reported  
RECEIVED DATE: 5/9/2008  
PROCESSED DATE: 7/31/2002  
STATUS CODE NAME: Active  
STATUS DATE: 7/31/2002  
PLACE SIZE: 5  
PLACE SIZE UNIT: 52  
FACILITY CONTACT NAME: Denis Van Dera  
FACILITY CONTACT TITLE: Not reported  
FACILITY CONTACT PHONE: 5107828801  
FACILITY CONTACT PHONE EXT: Not reported  
FACILITY CONTACT EMAIL: Not reported  
OPERATOR NAME: Mag Trucking  
OPERATOR ADDRESS: 3500 Enterprise Ave  
OPERATOR CITY: Hayward  
OPERATOR STATE: California  
OPERATOR ZIP: 94545  
OPERATOR CONTACT NAME: Denis Van Dera  
OPERATOR CONTACT TITLE: Not reported  
OPERATOR CONTACT PHONE: 510-782-8801  
OPERATOR CONTACT PHONE EXT: Not reported  
OPERATOR CONTACT EMAIL: Not reported  
OPERATOR TYPE: Private Business  
DEVELOPER NAME: Not reported  
DEVELOPER ADDRESS: Not reported  
DEVELOPER CITY: Not reported  
DEVELOPER STATE: California  
DEVELOPER ZIP: Not reported  
DEVELOPER CONTACT NAME: Not reported  
DEVELOPER CONTACT TITLE: Not reported  
CONSTYPE LINEAR UTILITY IND: Not reported  
EMERGENCY PHONE NO: 510-782-8801  
EMERGENCY PHONE EXT: Not reported  
CONSTYPE ABOVE GROUND IND: Not reported  
CONSTYPE BELOW GROUND IND: Not reported  
CONSTYPE CABLE LINE IND: Not reported  
CONSTYPE COMM LINE IND: Not reported  
CONSTYPE COMMERTIAL IND: Not reported  
CONSTYPE ELECTRICAL LINE IND: Not reported  
CONSTYPE GAS LINE IND: Not reported  
CONSTYPE INDUSTRIAL IND: Not reported  
CONSTYPE OTHER DESRIPTION: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LES MC DONALD CONSTRUCTION CO (Continued)**

**1000123817**

CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	San Francisco Bay
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	4231-Terminal and Joint Terminal Maintenance Facilities for Motor Freight Transportation
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	CAS000001
Facility Status:	Active
Agency Id:	0
Region:	2
Regulatory Measure Id:	181230
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	2 011017407
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	07/31/2002
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Mag Trucking
Discharge Address:	3500 Enterprise Ave
Discharge City:	Hayward
Discharge State:	California
Discharge Zip:	94545
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LES MC DONALD CONSTRUCTION CO (Continued)**

**1000123817**

OPERATOR TYPE: Not reported  
DEVELOPER NAME: Not reported  
DEVELOPER ADDRESS: Not reported  
DEVELOPER CITY: Not reported  
DEVELOPER STATE: Not reported  
DEVELOPER ZIP: Not reported  
DEVELOPER CONTACT NAME: Not reported  
DEVELOPER CONTACT TITLE: Not reported  
CONSTYPE LINEAR UTILITY IND: Not reported  
EMERGENCY PHONE NO: Not reported  
EMERGENCY PHONE EXT: Not reported  
CONSTYPE ABOVE GROUND IND: Not reported  
CONSTYPE BELOW GROUND IND: Not reported  
CONSTYPE CABLE LINE IND: Not reported  
CONSTYPE COMM LINE IND: Not reported  
CONSTYPE COMMERTIAL IND: Not reported  
CONSTYPE ELECTRICAL LINE IND: Not reported  
CONSTYPE GAS LINE IND: Not reported  
CONSTYPE INDUSTRIAL IND: Not reported  
CONSTYPE OTHER DESCRIPTION: Not reported  
CONSTYPE OTHER IND: Not reported  
CONSTYPE RECONS IND: Not reported  
CONSTYPE RESIDENTIAL IND: Not reported  
CONSTYPE TRANSPORT IND: Not reported  
CONSTYPE UTILITY DESCRIPTION: Not reported  
CONSTYPE UTILITY IND: Not reported  
CONSTYPE WATER SEWER IND: Not reported  
DIR DISCHARGE USWATER IND: Not reported  
RECEIVING WATER NAME: Not reported  
CERTIFIER NAME: Not reported  
CERTIFIER TITLE: Not reported  
CERTIFICATION DATE: Not reported  
PRIMARY SIC: Not reported  
SECONDARY SIC: Not reported  
TERTIARY SIC: Not reported

**WDS:**

Facility ID: San Francisco Bay 011017407  
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.  
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.  
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board  
Subregion: 2  
Facility Telephone: 5107828801  
Facility Contact: DENIS VAN DERA  
Agency Name: MAG TRUCKING  
Agency Address: 3500 Enterprise Ave  
Agency City,St,Zip: Hayward 945453294  
Agency Contact: DENIS VAN DERA  
Agency Telephone: 5107828801  
Agency Type: Private

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**LES MC DONALD CONSTRUCTION CO (Continued)**

**1000123817**

SIC Code: 0  
 SIC Code 2: Not reported  
 Primary Waste Type: Not reported  
 Primary Waste: Not reported  
 Waste Type2: Not reported  
 Waste2: Not reported  
 Primary Waste Type: Not reported  
 Secondary Waste: Not reported  
 Secondary Waste Type: Not reported  
 Design Flow: 0  
 Baseline Flow: 0  
 Reclamation: Not reported  
 POTW: Not reported  
 Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.  
 Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

**33**  
**NNE**  
**1/2-1**  
**0.676 mi.**  
**3569 ft.**

**ELECTRO-FORMING CO.**  
**3435 ENTERPRISE AVENUE**  
**HAYWARD, CA 94545**

**CA ENVIROSTOR** **S104574011**  
**CA DEED** **N/A**

**Relative:**  
**Higher**

ENVIROSTOR:  
 Facility ID: 71003321  
 Status: Active  
 Status Date: 09/23/2002  
 Site Code: 520084  
 Site Type: Tiered Permit  
 Site Type Detailed: Tiered Permit  
 Acres: 0.45  
 NPL: NO  
 Regulatory Agencies: SMBRP  
 Lead Agency: SMBRP  
 Program Manager: Homayune Atiqee  
 Supervisor: Karen Toth  
 Division Branch: Cleanup Berkeley  
 Assembly: 20  
 Senate: 10  
 Special Program: Not reported  
 Restricted Use: YES  
 Site Mgmt Req: NONE SPECIFIED  
 Funding: Not reported  
 Latitude: 37.63358  
 Longitude: -122.1240  
 APN: 439 009800900  
 Past Use: METAL FINISHING  
 Potential COC: Under Investigation  
 Confirmed COC: Under Investigation

**Actual:**  
**17 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ELECTRO-FORMING CO. (Continued)**

**S104574011**

Potential Description: UE  
Alias Name: 439 009800900  
Alias Type: APN  
Alias Name: CAD980736680  
Alias Type: EPA Identification Number  
Alias Name: 110008266811  
Alias Type: EPA (FRS #)  
Alias Name: 201467  
Alias Type: Project Code (Site Code)  
Alias Name: 520084  
Alias Type: Project Code (Site Code)  
Alias Name: 71003321  
Alias Type: Envirostor ID Number

Completed Info:  
Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 09/30/2016  
Comments: DTSC's annual oversight cost estimate was sent to the property owner.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 10/30/2012  
Comments: Annual DTSC oversight cost estimate mailed to responsible party.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Land Use Restriction  
Completed Date: 04/10/2014  
Comments: Restrictions on use and handling of contaminated soils.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Letter - Demand  
Completed Date: 12/20/2010  
Comments: Final collection letter sent certified mail.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 03/02/2005  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Consent Agreement  
Completed Date: 05/27/2003  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Land Use Restriction - Site Inspection/Visit  
Completed Date: 10/13/2015  
Comments: Drive-by of the site was performed on October 13, 2015.

Completed Area Name: PROJECT WIDE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ELECTRO-FORMING CO. (Continued)**

**S104574011**

Completed Sub Area Name: Not reported  
Completed Document Type: Phase I Verification  
Completed Date: 09/10/2002  
Comments: Further Action Required

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Preliminary Endangerment Assessment Workplan  
Completed Date: 12/22/2004  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Preliminary Endangerment Assessment Workplan  
Completed Date: 06/21/2007  
Comments: Soil gas sampling workplan based on DTSC comments

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 10/22/2002  
Comments: Closure plan for regulated units.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Phase 1  
Completed Date: 06/18/2003  
Comments: Phase 1 - DTSC did not provide comments on this document

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 05/30/2012  
Comments: The Revised PEA for the site was conditionally approved. DTSC has requested the responsible party to perform groundwater and additional soil gas sampling at the site.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Form 1479 - Site and Collections Summary  
Completed Date: 04/21/2014  
Comments: Form 1479 Recommendations

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Post HARP Form  
Completed Date: 12/04/2013  
Comments: Post-HARP form for field visit(s).

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Supplemental Site Investigation Workplan  
Completed Date: 11/02/2012  
Comments: Not reported

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

**ELECTRO-FORMING CO. (Continued)**

**S104574011**

Completed Document Type: Supplemental Site Investigation Workplan  
Completed Date: 11/02/2012  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 03/10/2014  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Work Notice  
Completed Date: 11/26/2012  
Comments: Work notice for upcoming groundwater and soil gas investigation finalized and distributed to the surrounding community.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Fieldwork  
Completed Date: 11/29/2012  
Comments: Groundwater and additional soil gas sampling performed at the site the week of November 26 2012.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Public Notice  
Completed Date: 04/19/2013  
Comments: Public notice prepared announcing DTSC's intention to place a land use covenant on the site and approve the preliminary endangerment assessment. The public notice will be placed in the Daily Review newspaper on April 25, 2013.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Land Use Restriction Monitoring Report  
Completed Date: 10/21/2015  
Comments: The annual site inspection report indicates that the site is in compliance with the land use covenant.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Land Use Restriction Monitoring Report  
Completed Date: 03/22/2016  
Comments: DTSC has approved the annual land use covenant monitoring report. The cap remains in place at the site.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 09/18/2014  
Comments: Annual cost estimate sent to the property owner.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 08/20/2015

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ELECTRO-FORMING CO. (Continued)**

**S104574011**

Comments: This letter was sent to the property owner via certified mail.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 10/13/2011  
Comments: annual cost estimate for fiscal year 2011-12 finalized.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Letter - Demand  
Completed Date: 10/18/2010  
Comments: First collection request sent.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Letter - Demand  
Completed Date: 11/18/2010  
Comments: Second Collection request sent certified mail.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 09/30/2015  
Comments: The annual cost estimate has been sent to the property owner.

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

**DEED:**

Envirostor ID: 71003321  
Area: PROJECT WIDE  
Sub Area: Not reported  
Site Type: TIERED PERMIT  
Status: ACTIVE  
Agency: Not reported  
Covenant Uploaded: Not reported  
Deed Date(s): 04/10/2014

**34**  
**ENE**  
**1/2-1**  
**0.717 mi.**  
**3788 ft.**

**3392 INVESTMENT BLVD.**  
**HAYWARD, CA 92508**

**CA Notify 65 S100191953**  
**N/A**

**Relative:**  
**Higher**

**NOTIFY 65:**  
Date Reported: Not reported  
Staff Initials: Not reported  
Board File Number: Not reported  
Facility Type: Not reported

**Actual:**  
**17 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

S100191953

Discharge Date: Not reported  
Issue Date: Not reported  
Incident Description: Not reported

35  
NNE  
1/2-1  
0.742 mi.  
3917 ft.

KEM-MIL-CO  
3468 DIABLO AVE  
HAYWARD, CA 94545

RCRA-LQG 1000124344  
CA ENVIROSTOR CAD982485849  
FINDS  
ECHO

Relative:  
Higher

RCRA-LQG:

Actual:  
18 ft.

Date form received by agency: 01/04/2006  
Facility name: KEM-MIL-CO  
Facility address: 3468 DIABLO AVE  
HAYWARD, CA 94545  
EPA ID: CAD982485849  
Contact: DOUGLAS SOULE  
Contact address: Not reported  
Not reported  
Contact country: US  
Contact telephone: (510) 785-2100  
Contact email: DOUG@KEM-MIL.COM  
EPA Region: 09  
Land type: Private  
Classification: Large Quantity Generator  
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: KEM-MIL-CO  
Owner/operator address: Not reported  
Not reported  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 12/01/1989  
Owner/Op end date: Not reported

Owner/operator name: M. LANE HILL  
Owner/operator address: 3468 DIABLO AVE  
HAYWARD, CA 94545

Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 09/05/1986

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KEM-MIL-CO (Continued)**

**1000124344**

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: Yes  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: Yes  
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

. Waste code: D002  
. Waste name: CORROSIVE WASTE

. Waste code: D007  
. Waste name: CHROMIUM

Historical Generators:

Date form received by agency: 01/30/2004  
Site name: KEM-MIL-CO  
Classification: Large Quantity Generator

. Waste code: D002  
. Waste name: CORROSIVE WASTE

. Waste code: D007  
. Waste name: CHROMIUM

Date form received by agency: 02/28/2002  
Site name: KEM-MIL-CO  
Classification: Large Quantity Generator

Date form received by agency: 03/29/1990  
Site name: KEM MIL CO  
Classification: Small Quantity Generator

Facility Has Received Notices of Violations:

Regulation violated: F - 262.30-34.C  
Area of violation: Generators - General  
Date violation determined: 06/29/2001  
Date achieved compliance: 06/29/2001  
Violation lead agency: EPA  
Enforcement action: Not reported  
Enforcement action date: 07/31/2001  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KEM-MIL-CO (Continued)**

**1000124344**

Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: F - 262.40-43.D  
Area of violation: Generators - General  
Date violation determined: 06/29/2001  
Date achieved compliance: 06/29/2001  
Violation lead agency: EPA  
Enforcement action: Not reported  
Enforcement action date: 07/31/2001  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 05/02/2007  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 06/29/2001  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - General  
Date achieved compliance: 06/29/2001  
Evaluation lead agency: EPA

ENVIROSTOR:

Facility ID: 71003075  
Status: Inactive - Needs Evaluation  
Status Date: Not reported  
Site Code: Not reported  
Site Type: Tiered Permit  
Site Type Detailed: Tiered Permit  
Acres: Not reported  
NPL: NO  
Regulatory Agencies: NONE SPECIFIED  
Lead Agency: NONE SPECIFIED  
Program Manager: Not reported  
Supervisor: Not reported  
Division Branch: Cleanup Berkeley  
Assembly: 20  
Senate: 10  
Special Program: Not reported  
Restricted Use: NO  
Site Mgmt Req: NONE SPECIFIED  
Funding: Not reported  
Latitude: 37.63572  
Longitude: -122.1263  
APN: NONE SPECIFIED  
Past Use: NONE SPECIFIED  
Potential COC: NONE SPECIFIED  
Confirmed COC: NONE SPECIFIED  
Potential Description: NONE SPECIFIED

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KEM-MIL-CO (Continued)**

**1000124344**

Alias Name: CAD982485849  
Alias Type: EPA Identification Number  
Alias Name: 110002827451  
Alias Type: EPA (FRS #)  
Alias Name: 71003075  
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 10/15/1990  
Comments: Applicant withdrew application.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Phase 1  
Completed Date: 10/02/1996  
Comments: Phasie 1 Checklist indicates no releases.

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

FINDS:

Registry ID: 110002827451

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

ECHO:

Envid: 1000124344  
Registry ID: 110002827451  
DFR URL: [http://echo.epa.gov/detailed\\_facility\\_report?fid=110002827451](http://echo.epa.gov/detailed_facility_report?fid=110002827451)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

36  
NNE  
1/2-1  
0.914 mi.  
4825 ft.

**ELECTROCHEM**  
**25020 VIKING STREET**  
**HAYWARD, CA 94545**

**CA ENVIROSTOR** **S118757432**  
**N/A**

**Relative:**  
**Higher**

**ENVIROSTOR:**

**Actual:**  
**19 ft.**

Facility ID: 71002964  
Status: No Action Required  
Status Date: Not reported  
Site Code: Not reported  
Site Type: Tiered Permit  
Site Type Detailed: Tiered Permit  
Acres: Not reported  
NPL: NO  
Regulatory Agencies: NONE SPECIFIED  
Lead Agency: NONE SPECIFIED  
Program Manager: Not reported  
Supervisor: Robert Senga  
Division Branch: Cleanup Berkeley  
Assembly: 20  
Senate: 10  
Special Program: Not reported  
Restricted Use: NO  
Site Mgmt Req: NONE SPECIFIED  
Funding: Not reported  
Latitude: 37.63755  
Longitude: -122.1248  
APN: NONE SPECIFIED  
Past Use: NONE SPECIFIED  
Potential COC: NONE SPECIFIED  
Confirmed COC: NONE SPECIFIED  
Potential Description: NONE SPECIFIED  
Alias Name: CAD982017394  
Alias Type: EPA Identification Number  
Alias Name: 110000784722  
Alias Type: EPA (FRS #)  
Alias Name: 71002964  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**G37**      **HERNING UNDERGROUND SUPPLY**  
**NNE**      **3135 DIABLO AVE**  
**1/2-1**     **HAYWARD, CA 94545**  
**0.921 mi.**  
**4863 ft.**    **Site 1 of 2 in cluster G**

**CA LUST**    **S100179668**  
**CA SLIC**    **N/A**  
**CA Notify 65**

**Relative:**  
**Higher**

LUST REG 2:  
Region: 2  
Facility Id: 01-1957  
Facility Status: Case Closed  
Case Number: 01-1957  
How Discovered: Tank Closure  
Leak Cause: Overfill  
Leak Source: Other Source  
Date Leak Confirmed: 7/6/1993  
Oversight Program: LUST  
Prelim. Site Assesment Wokplan Submitted: Not reported  
Preliminary Site Assesment Began: Not reported  
Pollution Characterization Began: Not reported  
Pollution Remediation Plan Submitted: Not reported  
Date Remediation Action Underway: Not reported  
Date Post Remedial Action Monitoring Began: Not reported

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

SLIC REG 2:  
Region: 2  
Facility ID: 01S0230  
Facility Status: Preliminary site assessment workplan submitted  
Date Closed: Not reported  
Local Case #: 01S0230  
How Discovered: Tank Closure  
Leak Cause: UNK  
Leak Source: UNK  
Date Confirmed: Not reported  
Date Prelim Site Assmnt Workplan Submitted: 4/19/1990  
Date Preliminary Site Assessment Began: Not reported  
Date Pollution Characterization Began: Not reported  
Date Remediation Plan Submitted: Not reported  
Date Remedial Action Underway: Not reported  
Date Post Remedial Action Monitoring Began: Not reported

NOTIFY 65:  
Date Reported: Not reported  
Staff Initials: Not reported  
Board File Number: Not reported  
Facility Type: Not reported  
Discharge Date: Not reported  
Issue Date: Not reported  
Incident Description: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**G38**      **HERNING UNDERGROUND SUPPLY**  
**NNE**      **3135 DIABLO AVE.**  
**1/2-1**     **HAYWARD, CA 92508**  
**0.921 mi.**  
**4863 ft.**    **Site 2 of 2 in cluster G**

**CA Notify 65**    **S100179675**  
**N/A**

**Relative:**      NOTIFY 65:  
**Higher**        Date Reported:    Not reported  
                    Staff Initials:    Not reported  
**Actual:**        Board File Number: Not reported  
**23 ft.**            Facility Type:      Not reported  
                    Discharge Date:   Not reported  
                    Issue Date:        Not reported  
                    Incident Description: Not reported

**39**            **ETEC SYSTEMS, INC**  
**ENE**         **26460/26415 CORPORATE AVENUE**  
**1/2-1**        **HAYWARD, CA 94545**  
**0.938 mi.**  
**4950 ft.**

**CA ENVIROSTOR**    **S118757472**  
**N/A**

**Relative:**      ENVIROSTOR:  
**Higher**        Facility ID:        71003704  
                    Status:            No Action Required  
**Actual:**        Status Date:      03/11/2003  
**14 ft.**            Site Code:        Not reported  
                    Site Type:        Tiered Permit  
                    Site Type Detailed: Tiered Permit  
                    Acres:            0.5  
                    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:        37.62607  
                    Longitude:      -122.1136  
                    APN:             NONE SPECIFIED  
                    Past Use:        UNKNOWN  
                    Potential COC:   Under Investigation  
                    Confirmed COC: 31001-NO  
                    Potential Description: UE  
                    Alias Name:      CAD981427362  
                    Alias Type:      EPA Identification Number  
                    Alias Name:      110019007572  
                    Alias Type:      EPA (FRS #)  
                    Alias Name:      71003704  
                    Alias Type:      Envirostor ID Number

Completed Info:  
Completed Area Name:    PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Phase I Verification  
Completed Date:        03/11/2003

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ETEC SYSTEMS, INC (Continued)**

**S118757472**

Comments: Inspection report sent on 3/11/2003

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Phase 1  
Completed Date: 03/11/2003  
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

**40**  
**East**  
**1/2-1**  
**0.955 mi.**  
**5045 ft.**

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

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

**Relative:**  
**Higher**

**ENVIROSTOR:**

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

Facility ID: 1500103  
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  
Alias Name: Not reported  
Alias Type: Not reported  
Completed Info:  
Completed Area Name: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

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

**S102008240**

Completed Sub Area Name: Not reported  
Completed Document Type: Not reported  
Completed Date: Not reported  
Comments: Not reported

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

Count: 1 records.

ORPHAN SUMMARY

<u>City</u>	<u>EDR ID</u>	<u>Site Name</u>	<u>Site Address</u>	<u>Zip</u>	<u>Database(s)</u>
HAYWARD	S116165237	ARDEN ROAD PROPERTY	ARDEN ROAD / DANTE COURT	94545	CA ENVIROSTOR

# 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: 12/05/2016	Source: EPA
Date Data Arrived at EDR: 01/05/2017	Telephone: N/A
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 01/05/2017
Number of Days to Update: 29	Next Scheduled EDR Contact: 04/17/2017
	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: 12/05/2016	Source: EPA
Date Data Arrived at EDR: 01/05/2017	Telephone: N/A
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 01/05/2017
Number of Days to Update: 29	Next Scheduled EDR Contact: 04/17/2017
	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: 12/05/2016	Source: EPA
Date Data Arrived at EDR: 01/05/2017	Telephone: N/A
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 01/05/2017
Number of Days to Update: 29	Next Scheduled EDR Contact: 04/17/2017
	Data Release Frequency: Quarterly

## ***Federal CERCLIS list***

FEDERAL FACILITY: Federal Facility Site Information listing

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

Date of Government Version: 09/14/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/04/2016	Telephone: 703-603-8704
Date Made Active in Reports: 10/21/2016	Last EDR Contact: 01/05/2017
Number of Days to Update: 17	Next Scheduled EDR Contact: 04/17/2017
	Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/10/2016	Source: EPA
Date Data Arrived at EDR: 10/20/2016	Telephone: 800-424-9346
Date Made Active in Reports: 01/06/2017	Last EDR Contact: 01/06/2017
Number of Days to Update: 78	Next Scheduled EDR Contact: 05/01/2017
	Data Release Frequency: Quarterly

## ***Federal CERCLIS NFRAP site list***

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 10/10/2016	Source: EPA
Date Data Arrived at EDR: 10/20/2016	Telephone: 800-424-9346
Date Made Active in Reports: 01/06/2017	Last EDR Contact: 01/06/2017
Number of Days to Update: 78	Next Scheduled EDR Contact: 05/01/2017
	Data Release Frequency: Quarterly

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

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/12/2016	Source: EPA
Date Data Arrived at EDR: 12/28/2016	Telephone: 800-424-9346
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 12/28/2016
Number of Days to Update: 44	Next Scheduled EDR Contact: 04/10/2017
	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: 12/12/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/28/2016	Telephone: (415) 495-8895
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 12/28/2016
Number of Days to Update: 44	Next Scheduled EDR Contact: 04/10/2017
	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: 12/12/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/28/2016	Telephone: (415) 495-8895
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 12/28/2016
Number of Days to Update: 44	Next Scheduled EDR Contact: 04/10/2017
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 12/12/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/28/2016	Telephone: (415) 495-8895
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 12/28/2016
Number of Days to Update: 44	Next Scheduled EDR Contact: 04/10/2017
	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: 12/12/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/28/2016	Telephone: (415) 495-8895
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 12/28/2016
Number of Days to Update: 44	Next Scheduled EDR Contact: 04/10/2017
	Data Release Frequency: Varies

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

### LUCIS: Land Use Control Information System

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

Date of Government Version: 05/28/2015	Source: Department of the Navy
Date Data Arrived at EDR: 05/29/2015	Telephone: 843-820-7326
Date Made Active in Reports: 06/11/2015	Last EDR Contact: 02/13/2017
Number of Days to Update: 13	Next Scheduled EDR Contact: 05/29/2017
	Data Release Frequency: Varies

### US ENG CONTROLS: Engineering Controls Sites List

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

Date of Government Version: 11/15/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/29/2016	Telephone: 703-603-0695
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 11/29/2016
Number of Days to Update: 66	Next Scheduled EDR Contact: 03/13/2017
	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: 11/15/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/29/2016	Telephone: 703-603-0695
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 11/29/2016
Number of Days to Update: 66	Next Scheduled EDR Contact: 03/13/2017
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***Federal ERNS list***

ERNS: Emergency Response Notification System

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

Date of Government Version: 09/26/2016

Date Data Arrived at EDR: 09/29/2016

Date Made Active in Reports: 11/11/2016

Number of Days to Update: 43

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Last EDR Contact: 12/28/2016

Next Scheduled EDR Contact: 04/10/2017

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: 10/31/2016

Date Data Arrived at EDR: 11/01/2016

Date Made Active in Reports: 01/18/2017

Number of Days to Update: 78

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 01/31/2017

Next Scheduled EDR Contact: 05/08/2017

Data Release Frequency: Quarterly

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

ENVIROSTOR: EnviroStor Database

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

Date of Government Version: 10/31/2016

Date Data Arrived at EDR: 11/01/2016

Date Made Active in Reports: 01/18/2017

Number of Days to Update: 78

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 01/31/2017

Next Scheduled EDR Contact: 05/08/2017

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: 11/14/2016

Date Data Arrived at EDR: 11/15/2016

Date Made Active in Reports: 01/20/2017

Number of Days to Update: 66

Source: Department of Resources Recycling and Recovery

Telephone: 916-341-6320

Last EDR Contact: 11/15/2016

Next Scheduled EDR Contact: 02/27/2017

Data Release Frequency: Quarterly

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## LUST: Geotracker's Leaking Underground Fuel Tank Report

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/12/2016	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/14/2016	Telephone: see region list
Date Made Active in Reports: 01/20/2017	Last EDR Contact: 12/14/2016
Number of Days to Update: 37	Next Scheduled EDR Contact: 03/27/2017
	Data Release Frequency: Quarterly

## LUST REG 3: Leaking Underground Storage Tank Database

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

Date of Government Version: 05/19/2003	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 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

## LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calaveras, 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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## LUST REG 6V: Leaking Underground Storage Tank Case Listing

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

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

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

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

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

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

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

## LUST REG 4: Underground Storage Tank Leak List

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

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

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

## LUST REG 9: Leaking Underground Storage Tank Report

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

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

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

## LUST REG 8: Leaking Underground Storage Tanks

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

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

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

## INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 01/07/2016  
Date Data Arrived at EDR: 01/08/2016  
Date Made Active in Reports: 02/18/2016  
Number of Days to Update: 41

Source: EPA Region 10  
Telephone: 206-553-2857  
Last EDR Contact: 01/26/2017  
Next Scheduled EDR Contact: 05/08/2017  
Data Release Frequency: Quarterly

## INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/25/2016  
Date Data Arrived at EDR: 04/27/2016  
Date Made Active in Reports: 06/03/2016  
Number of Days to Update: 37

Source: Environmental Protection Agency  
Telephone: 415-972-3372  
Last EDR Contact: 01/26/2017  
Next Scheduled EDR Contact: 05/08/2017  
Data Release Frequency: Quarterly

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: 10/13/2015  
Date Data Arrived at EDR: 10/23/2015  
Date Made Active in Reports: 02/18/2016  
Number of Days to Update: 118

Source: EPA Region 8  
Telephone: 303-312-6271  
Last EDR Contact: 01/26/2017  
Next Scheduled EDR Contact: 05/08/2017  
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: 10/09/2015  
Date Data Arrived at EDR: 02/12/2016  
Date Made Active in Reports: 06/03/2016  
Number of Days to Update: 112

Source: EPA Region 7  
Telephone: 913-551-7003  
Last EDR Contact: 01/26/2017  
Next Scheduled EDR Contact: 05/08/2017  
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: 12/11/2015  
Date Data Arrived at EDR: 02/19/2016  
Date Made Active in Reports: 06/03/2016  
Number of Days to Update: 105

Source: EPA Region 6  
Telephone: 214-665-6597  
Last EDR Contact: 01/26/2017  
Next Scheduled EDR Contact: 05/08/2017  
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: 02/05/2016  
Date Data Arrived at EDR: 04/29/2016  
Date Made Active in Reports: 06/03/2016  
Number of Days to Update: 35

Source: EPA Region 4  
Telephone: 404-562-8677  
Last EDR Contact: 01/24/2017  
Next Scheduled EDR Contact: 05/08/2017  
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: 10/27/2015  
Date Data Arrived at EDR: 10/29/2015  
Date Made Active in Reports: 01/04/2016  
Number of Days to Update: 67

Source: EPA Region 1  
Telephone: 617-918-1313  
Last EDR Contact: 01/26/2017  
Next Scheduled EDR Contact: 05/08/2017  
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land  
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 02/17/2016  
Date Data Arrived at EDR: 04/27/2016  
Date Made Active in Reports: 06/03/2016  
Number of Days to Update: 37

Source: EPA, Region 5  
Telephone: 312-886-7439  
Last EDR Contact: 01/26/2017  
Next Scheduled EDR Contact: 05/08/2017  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## SLIC: Statewide SLIC Cases

Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/12/2016	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/14/2016	Telephone: 866-480-1028
Date Made Active in Reports: 01/23/2017	Last EDR Contact: 12/14/2016
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/27/2017
	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.

Date of Government Version: 11/17/2004	Source: Region Water Quality Control Board Los Angeles Region (4)
Date Data Arrived at EDR: 11/18/2004	Telephone: 213-576-6600
Date Made Active in Reports: 01/04/2005	Last EDR Contact: 07/01/2011
Number of Days to Update: 47	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	Source: Regional Water Quality Control Board Central Valley Region (5)
Date Data Arrived at EDR: 04/05/2005	Telephone: 916-464-3291
Date Made Active in Reports: 04/21/2005	Last EDR Contact: 09/12/2011
Number of Days to Update: 16	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: Semi-Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

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

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

## SLIC REG 6L: SLIC Sites

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

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

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

## SLIC REG 7: SLIC List

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

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

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

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

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

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

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

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

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

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

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

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

### FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010  
Date Data Arrived at EDR: 02/16/2010  
Date Made Active in Reports: 04/12/2010  
Number of Days to Update: 55

Source: FEMA  
Telephone: 202-646-5797  
Last EDR Contact: 01/23/2017  
Next Scheduled EDR Contact: 04/24/2017  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 09/12/2016	Source: SWRCB
Date Data Arrived at EDR: 09/14/2016	Telephone: 916-341-5851
Date Made Active in Reports: 10/14/2016	Last EDR Contact: 12/15/2016
Number of Days to Update: 30	Next Scheduled EDR Contact: 03/27/2017
	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: 07/06/2016	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 07/12/2016	Telephone: 916-327-5092
Date Made Active in Reports: 09/19/2016	Last EDR Contact: 12/22/2016
Number of Days to Update: 69	Next Scheduled EDR Contact: 04/10/2017
	Data Release Frequency: Quarterly

## INDIAN UST R8: Underground Storage Tanks on Indian Land

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

Date of Government Version: 01/26/2016	Source: EPA Region 8
Date Data Arrived at EDR: 02/05/2016	Telephone: 303-312-6137
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 01/26/2017
Number of Days to Update: 119	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Quarterly

## 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: 09/23/2014	Source: EPA Region 7
Date Data Arrived at EDR: 11/25/2014	Telephone: 913-551-7003
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 01/26/2017
Number of Days to Update: 65	Next Scheduled EDR Contact: 05/08/2017
	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: 12/03/2015	Source: EPA Region 6
Date Data Arrived at EDR: 02/04/2016	Telephone: 214-665-7591
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 01/26/2017
Number of Days to Update: 120	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Semi-Annually

## INDIAN UST R1: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/20/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 10/29/2015	Telephone: 617-918-1313
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 01/26/2017
Number of Days to Update: 67	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 02/05/2016	Source: EPA Region 4
Date Data Arrived at EDR: 04/29/2016	Telephone: 404-562-9424
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 01/24/2017
Number of Days to Update: 35	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Semi-Annually

## INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 11/05/2015	Source: EPA Region 5
Date Data Arrived at EDR: 11/13/2015	Telephone: 312-886-6136
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 01/26/2017
Number of Days to Update: 52	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Varies

## INDIAN UST R10: Underground Storage Tanks on Indian Land

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

Date of Government Version: 01/07/2016	Source: EPA Region 10
Date Data Arrived at EDR: 01/08/2016	Telephone: 206-553-2857
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 01/26/2017
Number of Days to Update: 41	Next Scheduled EDR Contact: 05/08/2017
	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: 02/25/2016	Source: EPA Region 9
Date Data Arrived at EDR: 04/27/2016	Telephone: 415-972-3368
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 01/26/2017
Number of Days to Update: 37	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Quarterly

## **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: 07/27/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 09/29/2015	Telephone: 617-918-1102
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 12/27/2016
Number of Days to Update: 142	Next Scheduled EDR Contact: 04/10/2017
	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: 10/31/2016	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 11/01/2016	Telephone: 916-323-3400
Date Made Active in Reports: 01/18/2017	Last EDR Contact: 01/31/2017
Number of Days to Update: 78	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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

## **State and tribal Brownfields sites**

### BROWNFIELDS: Considered Brownfields Sites Listing

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 02/29/2016	Source: State Water Resources Control Board
Date Data Arrived at EDR: 03/07/2016	Telephone: 916-323-7905
Date Made Active in Reports: 05/04/2016	Last EDR Contact: 01/04/2017
Number of Days to Update: 58	Next Scheduled EDR Contact: 04/10/2017
	Data Release Frequency: Varies

## **ADDITIONAL ENVIRONMENTAL RECORDS**

### **Local Brownfield lists**

#### US BROWNFIELDS: A Listing of Brownfields Sites

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

Date of Government Version: 12/19/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/20/2016	Telephone: 202-566-2777
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 12/20/2016
Number of Days to Update: 52	Next Scheduled EDR Contact: 04/03/2017
	Data Release Frequency: Semi-Annually

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

#### WMUDS/SWAT: Waste Management Unit Database

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

Date of Government Version: 04/01/2000	Source: State Water Resources Control Board
Date Data Arrived at EDR: 04/10/2000	Telephone: 916-227-4448
Date Made Active in Reports: 05/10/2000	Last EDR Contact: 02/03/2017
Number of Days to Update: 30	Next Scheduled EDR Contact: 05/22/2017
	Data Release Frequency: No Update Planned

#### SWRCY: Recycler Database

A listing of recycling facilities in California.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/12/2016  
Date Data Arrived at EDR: 09/14/2016  
Date Made Active in Reports: 10/14/2016  
Number of Days to Update: 30

Source: Department of Conservation  
Telephone: 916-323-3836  
Last EDR Contact: 12/14/2016  
Next Scheduled EDR Contact: 03/27/2017  
Data Release Frequency: Quarterly

**HAULERS: Registered Waste Tire Haulers Listing**  
A listing of registered waste tire haulers.

Date of Government Version: 08/25/2016  
Date Data Arrived at EDR: 08/26/2016  
Date Made Active in Reports: 10/14/2016  
Number of Days to Update: 49

Source: Integrated Waste Management Board  
Telephone: 916-341-6422  
Last EDR Contact: 02/13/2017  
Next Scheduled EDR Contact: 05/29/2017  
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: 10/31/2016  
Next Scheduled EDR Contact: 02/13/2017  
Data Release Frequency: Varies

**ODI: Open Dump Inventory**

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

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

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

**DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations**

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

Date of Government Version: 01/12/2009  
Date Data Arrived at EDR: 05/07/2009  
Date Made Active in Reports: 09/21/2009  
Number of Days to Update: 137

Source: EPA, Region 9  
Telephone: 415-947-4219  
Last EDR Contact: 01/23/2017  
Next Scheduled EDR Contact: 05/08/2017  
Data Release Frequency: No Update Planned

**IHS OPEN DUMPS: Open Dumps on Indian Land**

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014  
Date Data Arrived at EDR: 08/06/2014  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service  
Telephone: 301-443-1452  
Last EDR Contact: 01/30/2017  
Next Scheduled EDR Contact: 05/08/2017  
Data Release Frequency: Varies

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

**US HIST CDL: National Clandestine Laboratory Register**

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/30/2016  
Date Data Arrived at EDR: 01/05/2017  
Date Made Active in Reports: 02/10/2017  
Number of Days to Update: 36

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 11/29/2016  
Next Scheduled EDR Contact: 03/13/2017  
Data Release Frequency: No Update Planned

## HIST CAL-SITES: Calsites Database

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

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

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

## SCH: School Property Evaluation Program

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

Date of Government Version: 10/31/2016  
Date Data Arrived at EDR: 11/01/2016  
Date Made Active in Reports: 01/18/2017  
Number of Days to Update: 78

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 01/31/2017  
Next Scheduled EDR Contact: 05/08/2017  
Data Release Frequency: Quarterly

## CDL: Clandestine Drug Labs

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

Date of Government Version: 08/31/2016  
Date Data Arrived at EDR: 11/18/2016  
Date Made Active in Reports: 12/22/2016  
Number of Days to Update: 34

Source: Department of Toxic Substances Control  
Telephone: 916-255-6504  
Last EDR Contact: 01/09/2017  
Next Scheduled EDR Contact: 04/24/2017  
Data Release Frequency: Varies

## TOXIC PITS: Toxic Pits Cleanup Act Sites

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

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

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

## US CDL: Clandestine Drug Labs

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

Date of Government Version: 09/30/2016  
Date Data Arrived at EDR: 12/05/2016  
Date Made Active in Reports: 02/10/2017  
Number of Days to Update: 67

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 11/29/2016  
Next Scheduled EDR Contact: 03/13/2017  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Local Lists of Registered Storage Tanks

### SWEEPS UST: SWEEPS UST Listing

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

Date of Government Version: 06/01/1994	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

### UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 12/01/2016	Source: Department of Public Health
Date Data Arrived at EDR: 12/06/2016	Telephone: 707-463-4466
Date Made Active in Reports: 01/10/2017	Last EDR Contact: 11/28/2016
Number of Days to Update: 35	Next Scheduled EDR Contact: 03/13/2017
	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

### 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

## Local Land Records

### LIENS: Environmental Liens Listing

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

Date of Government Version: 11/29/2016	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 12/06/2016	Telephone: 916-323-3400
Date Made Active in Reports: 01/23/2017	Last EDR Contact: 12/02/2016
Number of Days to Update: 48	Next Scheduled EDR Contact: 03/20/2017
	Data Release Frequency: Varies

### LIENS 2: CERCLA Lien Information

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

Date of Government Version: 02/18/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/18/2014	Telephone: 202-564-6023
Date Made Active in Reports: 04/24/2014	Last EDR Contact: 01/24/2017
Number of Days to Update: 37	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 12/06/2016	Source: DTSC and SWRCB
Date Data Arrived at EDR: 12/06/2016	Telephone: 916-323-3400
Date Made Active in Reports: 01/20/2017	Last EDR Contact: 12/06/2016
Number of Days to Update: 45	Next Scheduled EDR Contact: 03/20/2017
	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: 12/28/2016	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 12/28/2016	Telephone: 202-366-4555
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 12/28/2016
Number of Days to Update: 37	Next Scheduled EDR Contact: 04/10/2017
	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: 09/26/2016	Source: Office of Emergency Services
Date Data Arrived at EDR: 10/26/2016	Telephone: 916-845-8400
Date Made Active in Reports: 01/17/2017	Last EDR Contact: 01/25/2017
Number of Days to Update: 83	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Varies

### LDS: Land Disposal Sites Listing

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/12/2016	Source: State Water Quality Control Board
Date Data Arrived at EDR: 12/14/2016	Telephone: 866-480-1028
Date Made Active in Reports: 01/20/2017	Last EDR Contact: 12/14/2016
Number of Days to Update: 37	Next Scheduled EDR Contact: 03/27/2017
	Data Release Frequency: Quarterly

### MCS: Military Cleanup Sites Listing

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/12/2016	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/14/2016	Telephone: 866-480-1028
Date Made Active in Reports: 01/20/2017	Last EDR Contact: 12/14/2016
Number of Days to Update: 37	Next Scheduled EDR Contact: 03/27/2017
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 02/22/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 50	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## Other Ascertainable Records

### RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

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

Date of Government Version: 12/12/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/28/2016	Telephone: (415) 495-8895
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 12/28/2016
Number of Days to Update: 44	Next Scheduled EDR Contact: 04/10/2017
	Data Release Frequency: Varies

### FUDS: Formerly Used Defense Sites

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

Date of Government Version: 01/31/2015	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 07/08/2015	Telephone: 202-528-4285
Date Made Active in Reports: 10/13/2015	Last EDR Contact: 12/08/2016
Number of Days to Update: 97	Next Scheduled EDR Contact: 03/20/2017
	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: 01/13/2017
Number of Days to Update: 62	Next Scheduled EDR Contact: 04/24/2017
	Data Release Frequency: Semi-Annually

### FEDLAND: Federal and Indian Lands

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

Date of Government Version: 12/31/2005	Source: U.S. Geological Survey
Date Data Arrived at EDR: 02/06/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 01/13/2017
Number of Days to Update: 339	Next Scheduled EDR Contact: 04/24/2017
	Data Release Frequency: N/A

### SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/07/2011  
Date Data Arrived at EDR: 03/09/2011  
Date Made Active in Reports: 05/02/2011  
Number of Days to Update: 54

Source: Environmental Protection Agency  
Telephone: 615-532-8599  
Last EDR Contact: 02/03/2017  
Next Scheduled EDR Contact: 05/29/2017  
Data Release Frequency: Varies

## US FIN ASSUR: Financial Assurance Information

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

Date of Government Version: 10/11/2016  
Date Data Arrived at EDR: 11/16/2016  
Date Made Active in Reports: 02/03/2017  
Number of Days to Update: 79

Source: Environmental Protection Agency  
Telephone: 202-566-1917  
Last EDR Contact: 11/16/2016  
Next Scheduled EDR Contact: 02/27/2017  
Data Release Frequency: Quarterly

## EPA WATCH LIST: EPA WATCH LIST

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

Date of Government Version: 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: 02/03/2017  
Next Scheduled EDR Contact: 05/22/2017  
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: 04/22/2013  
Date Data Arrived at EDR: 03/03/2015  
Date Made Active in Reports: 03/09/2015  
Number of Days to Update: 6

Source: Environmental Protection Agency  
Telephone: 703-308-4044  
Last EDR Contact: 02/10/2017  
Next Scheduled EDR Contact: 05/22/2017  
Data Release Frequency: Varies

## TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2012  
Date Data Arrived at EDR: 01/15/2015  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 14

Source: EPA  
Telephone: 202-260-5521  
Last EDR Contact: 12/23/2016  
Next Scheduled EDR Contact: 04/03/2017  
Data Release Frequency: Every 4 Years

## TRIS: Toxic Chemical Release Inventory System

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2014  
Date Data Arrived at EDR: 11/24/2015  
Date Made Active in Reports: 04/05/2016  
Number of Days to Update: 133

Source: EPA  
Telephone: 202-566-0250  
Last EDR Contact: 11/22/2016  
Next Scheduled EDR Contact: 03/06/2017  
Data Release Frequency: Annually

## SSTS: Section 7 Tracking Systems

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

Date of Government Version: 12/31/2009  
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: 01/23/2017  
Next Scheduled EDR Contact: 05/08/2017  
Data Release Frequency: Annually

## 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: 12/06/2016  
Next Scheduled EDR Contact: 03/20/2017  
Data Release Frequency: Annually

## RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 08/01/2016  
Date Data Arrived at EDR: 08/22/2016  
Date Made Active in Reports: 11/11/2016  
Number of Days to Update: 81

Source: Environmental Protection Agency  
Telephone: 202-564-8600  
Last EDR Contact: 01/23/2017  
Next Scheduled EDR Contact: 05/08/2017  
Data Release Frequency: Varies

## RAATS: RCRA Administrative Action Tracking System

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

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

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 10/17/2014	Telephone: 202-564-6023
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 02/10/2017
Number of Days to Update: 3	Next Scheduled EDR Contact: 05/22/2017
	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: 01/20/2016	Source: EPA
Date Data Arrived at EDR: 04/28/2016	Telephone: 202-566-0500
Date Made Active in Reports: 09/02/2016	Last EDR Contact: 01/13/2017
Number of Days to Update: 127	Next Scheduled EDR Contact: 04/24/2017
	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: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-5088
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 01/09/2017
Number of Days to Update: 79	Next Scheduled EDR Contact: 04/24/2017
	Data Release Frequency: Quarterly

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

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

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 11/17/2016
Number of Days to Update: 25	Next Scheduled EDR Contact: 03/06/2017
	Data Release Frequency: Quarterly

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

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

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 11/17/2016
Number of Days to Update: 25	Next Scheduled EDR Contact: 03/06/2017
	Data Release Frequency: Quarterly

## MLTS: Material Licensing Tracking System

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

Date of Government Version: 08/30/2016	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 09/08/2016	Telephone: 301-415-7169
Date Made Active in Reports: 10/21/2016	Last EDR Contact: 02/03/2017
Number of Days to Update: 43	Next Scheduled EDR Contact: 05/22/2017
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## COAL ASH DOE: Steam-Electric Plant Operation Data

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

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 12/06/2016
Number of Days to Update: 76	Next Scheduled EDR Contact: 03/20/2017
	Data Release Frequency: Varies

## COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

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

Date of Government Version: 07/01/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2014	Telephone: N/A
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 12/06/2016
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/20/2017
	Data Release Frequency: Varies

## PCB TRANSFORMER: PCB Transformer Registration Database

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

Date of Government Version: 02/01/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/19/2011	Telephone: 202-566-0517
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 01/29/2016
Number of Days to Update: 83	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Varies

## RADINFO: Radiation Information Database

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

Date of Government Version: 01/04/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/06/2017	Telephone: 202-343-9775
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 01/06/2017
Number of Days to Update: 35	Next Scheduled EDR Contact: 04/17/2017
	Data Release Frequency: Quarterly

## HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

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

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

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

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

## DOT OPS: Incident and Accident Data

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

Date of Government Version: 07/31/2012  
Date Data Arrived at EDR: 08/07/2012  
Date Made Active in Reports: 09/18/2012  
Number of Days to Update: 42

Source: Department of Transportation, Office of Pipeline Safety  
Telephone: 202-366-4595  
Last EDR Contact: 02/01/2017  
Next Scheduled EDR Contact: 05/08/2017  
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: 09/30/2016  
Date Data Arrived at EDR: 11/18/2016  
Date Made Active in Reports: 02/03/2017  
Number of Days to Update: 77

Source: Department of Justice, Consent Decree Library  
Telephone: Varies  
Last EDR Contact: 01/23/2017  
Next Scheduled EDR Contact: 04/10/2017  
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: 12/31/2013  
Date Data Arrived at EDR: 02/24/2015  
Date Made Active in Reports: 09/30/2015  
Number of Days to Update: 218

Source: EPA/NTIS  
Telephone: 800-424-9346  
Last EDR Contact: 11/23/2016  
Next Scheduled EDR Contact: 03/06/2017  
Data Release Frequency: Biennially

## INDIAN RESERV: Indian Reservations

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

Date of Government Version: 12/31/2014  
Date Data Arrived at EDR: 07/14/2015  
Date Made Active in Reports: 01/10/2017  
Number of Days to Update: 546

Source: USGS  
Telephone: 202-208-3710  
Last EDR Contact: 01/13/2017  
Next Scheduled EDR Contact: 04/24/2017  
Data Release Frequency: Semi-Annually

## FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 07/21/2016  
Date Data Arrived at EDR: 07/26/2016  
Date Made Active in Reports: 09/23/2016  
Number of Days to Update: 59

Source: Department of Energy  
Telephone: 202-586-3559  
Last EDR Contact: 02/03/2017  
Next Scheduled EDR Contact: 05/22/2017  
Data Release Frequency: Varies

## UMTRA: Uranium Mill Tailings Sites

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 09/09/2016  
Next Scheduled EDR Contact: 12/05/2016  
Data Release Frequency: Varies

## LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 12/05/2016  
Date Data Arrived at EDR: 01/05/2017  
Date Made Active in Reports: 02/10/2017  
Number of Days to Update: 36

Source: Environmental Protection Agency  
Telephone: 703-603-8787  
Last EDR Contact: 01/05/2017  
Next Scheduled EDR Contact: 04/17/2017  
Data Release Frequency: Varies

## LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001  
Date Data Arrived at EDR: 10/27/2010  
Date Made Active in Reports: 12/02/2010  
Number of Days to Update: 36

Source: American Journal of Public Health  
Telephone: 703-305-6451  
Last EDR Contact: 12/02/2009  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016  
Date Data Arrived at EDR: 10/26/2016  
Date Made Active in Reports: 02/03/2017  
Number of Days to Update: 100

Source: EPA  
Telephone: 202-564-2496  
Last EDR Contact: 12/22/2016  
Next Scheduled EDR Contact: 04/10/2017  
Data Release Frequency: Annually

## US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016  
Date Data Arrived at EDR: 10/26/2016  
Date Made Active in Reports: 02/03/2017  
Number of Days to Update: 100

Source: EPA  
Telephone: 202-564-2496  
Last EDR Contact: 12/22/2016  
Next Scheduled EDR Contact: 04/10/2017  
Data Release Frequency: Annually

## US MINES: Mines Master Index File

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

Date of Government Version: 08/05/2016  
Date Data Arrived at EDR: 09/01/2016  
Date Made Active in Reports: 09/23/2016  
Number of Days to Update: 22

Source: Department of Labor, Mine Safety and Health Administration  
Telephone: 303-231-5959  
Last EDR Contact: 12/01/2016  
Next Scheduled EDR Contact: 03/13/2017  
Data Release Frequency: Semi-Annually

## US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/05/2005  
Date Data Arrived at EDR: 02/29/2008  
Date Made Active in Reports: 04/18/2008  
Number of Days to Update: 49

Source: USGS  
Telephone: 703-648-7709  
Last EDR Contact: 12/12/2016  
Next Scheduled EDR Contact: 03/13/2017  
Data Release Frequency: Varies

## US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011  
Date Data Arrived at EDR: 06/08/2011  
Date Made Active in Reports: 09/13/2011  
Number of Days to Update: 97

Source: USGS  
Telephone: 703-648-7709  
Last EDR Contact: 12/02/2016  
Next Scheduled EDR Contact: 03/13/2017  
Data Release Frequency: Varies

## 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: 07/15/2016  
Date Data Arrived at EDR: 09/07/2016  
Date Made Active in Reports: 11/11/2016  
Number of Days to Update: 65

Source: EPA  
Telephone: (415) 947-8000  
Last EDR Contact: 12/06/2016  
Next Scheduled EDR Contact: 03/20/2017  
Data Release Frequency: Quarterly

## DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 06/02/2016  
Date Data Arrived at EDR: 06/03/2016  
Date Made Active in Reports: 09/02/2016  
Number of Days to Update: 91

Source: Environmental Protection Agency  
Telephone: 202-564-0527  
Last EDR Contact: 11/28/2016  
Next Scheduled EDR Contact: 03/13/2017  
Data Release Frequency: Varies

## UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 10/25/2015  
Date Data Arrived at EDR: 01/29/2016  
Date Made Active in Reports: 04/05/2016  
Number of Days to Update: 67

Source: Department of Defense  
Telephone: 571-373-0407  
Last EDR Contact: 01/20/2017  
Next Scheduled EDR Contact: 05/01/2017  
Data Release Frequency: Varies

## CA BOND EXP. PLAN: Bond Expenditure Plan

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

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

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

## CORTESE: "Cortese" Hazardous Waste & Substances Sites List

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/26/2016  
Date Data Arrived at EDR: 09/27/2016  
Date Made Active in Reports: 11/18/2016  
Number of Days to Update: 52

Source: CAL EPA/Office of Emergency Information  
Telephone: 916-323-3400  
Last EDR Contact: 12/28/2016  
Next Scheduled EDR Contact: 04/10/2017  
Data Release Frequency: Quarterly

## DRYCLEANERS: Cleaner Facilities

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

Date of Government Version: 09/02/2016  
Date Data Arrived at EDR: 09/27/2016  
Date Made Active in Reports: 12/15/2016  
Number of Days to Update: 79

Source: Department of Toxic Substance Control  
Telephone: 916-327-4498  
Last EDR Contact: 12/02/2016  
Next Scheduled EDR Contact: 03/20/2017  
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: 12/31/2014  
Date Data Arrived at EDR: 09/23/2016  
Date Made Active in Reports: 10/24/2016  
Number of Days to Update: 31

Source: California Air Resources Board  
Telephone: 916-322-2990  
Last EDR Contact: 12/23/2016  
Next Scheduled EDR Contact: 04/03/2017  
Data Release Frequency: Varies

## ENF: Enforcement Action Listing

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

Date of Government Version: 12/06/2016  
Date Data Arrived at EDR: 12/09/2016  
Date Made Active in Reports: 01/18/2017  
Number of Days to Update: 40

Source: State Water Resources Control Board  
Telephone: 916-445-9379  
Last EDR Contact: 01/23/2017  
Next Scheduled EDR Contact: 05/08/2017  
Data Release Frequency: Varies

## Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 04/25/2016  
Date Data Arrived at EDR: 04/29/2016  
Date Made Active in Reports: 06/21/2016  
Number of Days to Update: 53

Source: Department of Toxic Substances Control  
Telephone: 916-255-3628  
Last EDR Contact: 01/23/2017  
Next Scheduled EDR Contact: 05/08/2017  
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: 11/16/2016  
Date Data Arrived at EDR: 11/18/2016  
Date Made Active in Reports: 01/20/2017  
Number of Days to Update: 63

Source: California Integrated Waste Management Board  
Telephone: 916-341-6066  
Last EDR Contact: 02/13/2017  
Next Scheduled EDR Contact: 05/29/2017  
Data Release Frequency: Varies

## HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2015  
Date Data Arrived at EDR: 10/12/2016  
Date Made Active in Reports: 12/15/2016  
Number of Days to Update: 64

Source: California Environmental Protection Agency  
Telephone: 916-255-1136  
Last EDR Contact: 01/09/2017  
Next Scheduled EDR Contact: 04/24/2017  
Data Release Frequency: Annually

## ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 11/21/2016  
Date Data Arrived at EDR: 11/22/2016  
Date Made Active in Reports: 01/23/2017  
Number of Days to Update: 62

Source: Department of Toxic Substances Control  
Telephone: 877-786-9427  
Last EDR Contact: 11/22/2016  
Next Scheduled EDR Contact: 03/06/2017  
Data Release Frequency: Quarterly

## HIST CORTESE: Hazardous Waste & Substance Site List

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

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

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

## HWP: EnviroStor Permitted Facilities Listing

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

Date of Government Version: 11/21/2016  
Date Data Arrived at EDR: 11/22/2016  
Date Made Active in Reports: 01/23/2017  
Number of Days to Update: 62

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 11/22/2016  
Next Scheduled EDR Contact: 03/06/2017  
Data Release Frequency: Quarterly

## HWT: Registered Hazardous Waste Transporter Database

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

Date of Government Version: 10/12/2016  
Date Data Arrived at EDR: 10/12/2016  
Date Made Active in Reports: 12/15/2016  
Number of Days to Update: 64

Source: Department of Toxic Substances Control  
Telephone: 916-440-7145  
Last EDR Contact: 01/11/2017  
Next Scheduled EDR Contact: 04/24/2017  
Data Release Frequency: Quarterly

## MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 09/12/2016  
Date Data Arrived at EDR: 09/14/2016  
Date Made Active in Reports: 10/14/2016  
Number of Days to Update: 30

Source: Department of Conservation  
Telephone: 916-322-1080  
Last EDR Contact: 01/13/2017  
Next Scheduled EDR Contact: 03/27/2017  
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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/06/2016  
Date Data Arrived at EDR: 09/07/2016  
Date Made Active in Reports: 10/14/2016  
Number of Days to Update: 37

Source: Department of Public Health  
Telephone: 916-558-1784  
Last EDR Contact: 12/06/2016  
Next Scheduled EDR Contact: 03/20/2017  
Data Release Frequency: Varies

## NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 05/16/2016  
Date Data Arrived at EDR: 05/18/2016  
Date Made Active in Reports: 06/23/2016  
Number of Days to Update: 36

Source: State Water Resources Control Board  
Telephone: 916-445-9379  
Last EDR Contact: 11/15/2016  
Next Scheduled EDR Contact: 02/27/2017  
Data Release Frequency: Quarterly

## PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 09/06/2016  
Date Data Arrived at EDR: 09/07/2016  
Date Made Active in Reports: 10/14/2016  
Number of Days to Update: 37

Source: Department of Pesticide Regulation  
Telephone: 916-445-4038  
Last EDR Contact: 12/06/2016  
Next Scheduled EDR Contact: 03/20/2017  
Data Release Frequency: Quarterly

## PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 09/12/2016  
Date Data Arrived at EDR: 09/14/2016  
Date Made Active in Reports: 10/14/2016  
Number of Days to Update: 30

Source: Department of Conservation  
Telephone: 916-323-3836  
Last EDR Contact: 12/14/2016  
Next Scheduled EDR Contact: 12/26/2016  
Data Release Frequency: Quarterly

## NOTIFY 65: Proposition 65 Records

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

Date of Government Version: 09/19/2016  
Date Data Arrived at EDR: 09/20/2016  
Date Made Active in Reports: 12/16/2016  
Number of Days to Update: 87

Source: State Water Resources Control Board  
Telephone: 916-445-3846  
Last EDR Contact: 12/16/2016  
Next Scheduled EDR Contact: 04/03/2017  
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: 07/06/2016  
Date Data Arrived at EDR: 09/14/2016  
Date Made Active in Reports: 10/14/2016  
Number of Days to Update: 30

Source: Department of Conservation  
Telephone: 916-445-2408  
Last EDR Contact: 12/14/2016  
Next Scheduled EDR Contact: 03/27/2017  
Data Release Frequency: Varies

## WASTEWATER PITS: Oil Wastewater Pits Listing

Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water board's review found that more than one-third of the region's active disposal pits are operating without permission.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/15/2015  
Date Data Arrived at EDR: 04/17/2015  
Date Made Active in Reports: 06/23/2015  
Number of Days to Update: 67

Source: RWQCB, Central Valley Region  
Telephone: 559-445-5577  
Last EDR Contact: 01/13/2017  
Next Scheduled EDR Contact: 04/24/2047  
Data Release Frequency: Varies

## WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

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

Source: State Water Resources Control Board  
Telephone: 916-341-5227  
Last EDR Contact: 11/16/2016  
Next Scheduled EDR Contact: 03/06/2017  
Data Release Frequency: Quarterly

## WIP: Well Investigation Program Case List

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

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

Source: Los Angeles Water Quality Control Board  
Telephone: 213-576-6726  
Last EDR Contact: 12/22/2016  
Next Scheduled EDR Contact: 04/10/2017  
Data Release Frequency: Varies

## ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 06/09/2016  
Date Data Arrived at EDR: 06/13/2016  
Date Made Active in Reports: 09/02/2016  
Number of Days to Update: 81

Source: Department of Interior  
Telephone: 202-208-2609  
Last EDR Contact: 12/09/2016  
Next Scheduled EDR Contact: 03/27/2017  
Data Release Frequency: Quarterly

## ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 09/18/2016  
Date Data Arrived at EDR: 09/20/2016  
Date Made Active in Reports: 10/21/2016  
Number of Days to Update: 31

Source: Environmental Protection Agency  
Telephone: 202-564-2280  
Last EDR Contact: 12/20/2016  
Next Scheduled EDR Contact: 04/03/2017  
Data Release Frequency: Quarterly

## FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 11/21/2016  
Date Data Arrived at EDR: 11/22/2016  
Date Made Active in Reports: 02/03/2017  
Number of Days to Update: 73

Source: EPA  
Telephone: 800-385-6164  
Last EDR Contact: 11/22/2016  
Next Scheduled EDR Contact: 03/06/2017  
Data Release Frequency: Quarterly

## **EDR HIGH RISK HISTORICAL RECORDS**

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## EDR MGP: EDR Proprietary Manufactured Gas Plants

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

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

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

## EDR Hist Auto: EDR Exclusive 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 Hist Cleaner: 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

## EDR RECOVERED GOVERNMENT ARCHIVES

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

#### RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A  
Date Data Arrived at EDR: 07/01/2013  
Date Made Active in Reports: 01/13/2014  
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery  
Telephone: N/A  
Last EDR Contact: 06/01/2012  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists.

Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A

Date Data Arrived at EDR: 07/01/2013

Date Made Active in Reports: 12/30/2013

Number of Days to Update: 182

Source: State Water Resources Control Board

Telephone: N/A

Last EDR Contact: 06/01/2012

Next Scheduled EDR Contact: N/A

Data Release Frequency: Varies

## COUNTY RECORDS

### ALAMEDA COUNTY:

#### Contaminated Sites

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

Date of Government Version: 10/12/2016

Date Data Arrived at EDR: 10/14/2016

Date Made Active in Reports: 11/18/2016

Number of Days to Update: 35

Source: Alameda County Environmental Health Services

Telephone: 510-567-6700

Last EDR Contact: 01/06/2017

Next Scheduled EDR Contact: 04/24/2017

Data Release Frequency: Semi-Annually

#### Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 10/10/2016

Date Data Arrived at EDR: 10/12/2016

Date Made Active in Reports: 01/10/2017

Number of Days to Update: 90

Source: Alameda County Environmental Health Services

Telephone: 510-567-6700

Last EDR Contact: 01/09/2017

Next Scheduled EDR Contact: 04/24/2017

Data Release Frequency: Semi-Annually

### AMADOR COUNTY:

#### CUPA Facility List

Cupa Facility List

Date of Government Version: 11/10/2016

Date Data Arrived at EDR: 12/13/2016

Date Made Active in Reports: 12/22/2016

Number of Days to Update: 9

Source: Amador County Environmental Health

Telephone: 209-223-6439

Last EDR Contact: 12/02/2016

Next Scheduled EDR Contact: 03/20/2017

Data Release Frequency: Varies

### BUTTE COUNTY:

#### CUPA Facility Listing

Cupa facility list.

Date of Government Version: 10/21/2016

Date Data Arrived at EDR: 10/26/2016

Date Made Active in Reports: 11/18/2016

Number of Days to Update: 23

Source: Public Health Department

Telephone: 530-538-7149

Last EDR Contact: 01/23/2017

Next Scheduled EDR Contact: 04/24/2017

Data Release Frequency: No Update Planned

### CALVERAS COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA Facility Listing

### Cupa Facility Listing

Date of Government Version: 10/25/2016  
Date Data Arrived at EDR: 10/27/2016  
Date Made Active in Reports: 11/18/2016  
Number of Days to Update: 22

Source: Calveras County Environmental Health  
Telephone: 209-754-6399  
Last EDR Contact: 12/27/2016  
Next Scheduled EDR Contact: 04/10/2017  
Data Release Frequency: Quarterly

## COLUSA COUNTY:

### CUPA Facility List

#### Cupa facility list.

Date of Government Version: 09/02/2016  
Date Data Arrived at EDR: 09/06/2016  
Date Made Active in Reports: 10/14/2016  
Number of Days to Update: 38

Source: Health & Human Services  
Telephone: 530-458-0396  
Last EDR Contact: 02/06/2017  
Next Scheduled EDR Contact: 05/22/2017  
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: 11/17/2016  
Date Data Arrived at EDR: 11/22/2016  
Date Made Active in Reports: 01/26/2017  
Number of Days to Update: 65

Source: Contra Costa Health Services Department  
Telephone: 925-646-2286  
Last EDR Contact: 01/30/2017  
Next Scheduled EDR Contact: 05/08/2017  
Data Release Frequency: Semi-Annually

## DEL NORTE COUNTY:

### CUPA Facility List

#### Cupa Facility list

Date of Government Version: 11/01/2016  
Date Data Arrived at EDR: 11/03/2016  
Date Made Active in Reports: 11/22/2016  
Number of Days to Update: 19

Source: Del Norte County Environmental Health Division  
Telephone: 707-465-0426  
Last EDR Contact: 01/30/2017  
Next Scheduled EDR Contact: 05/08/2017  
Data Release Frequency: Varies

## EL DORADO COUNTY:

### CUPA Facility List

#### CUPA facility list.

Date of Government Version: 11/22/2016  
Date Data Arrived at EDR: 11/23/2016  
Date Made Active in Reports: 01/17/2017  
Number of Days to Update: 55

Source: El Dorado County Environmental Management Department  
Telephone: 530-621-6623  
Last EDR Contact: 01/30/2017  
Next Scheduled EDR Contact: 05/08/2017  
Data Release Frequency: Varies

## FRESNO COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 10/11/2016  
Date Data Arrived at EDR: 10/14/2016  
Date Made Active in Reports: 11/18/2016  
Number of Days to Update: 35

Source: Dept. of Community Health  
Telephone: 559-445-3271  
Last EDR Contact: 01/03/2017  
Next Scheduled EDR Contact: 04/17/2017  
Data Release Frequency: Semi-Annually

## HUMBOLDT COUNTY:

### CUPA Facility List

CUPA facility list.

Date of Government Version: 10/25/2016  
Date Data Arrived at EDR: 10/27/2016  
Date Made Active in Reports: 11/18/2016  
Number of Days to Update: 22

Source: Humboldt County Environmental Health  
Telephone: N/A  
Last EDR Contact: 11/21/2016  
Next Scheduled EDR Contact: 03/06/2017  
Data Release Frequency: Varies

## IMPERIAL COUNTY:

### CUPA Facility List

Cupa facility list.

Date of Government Version: 10/24/2016  
Date Data Arrived at EDR: 10/27/2016  
Date Made Active in Reports: 11/18/2016  
Number of Days to Update: 22

Source: San Diego Border Field Office  
Telephone: 760-339-2777  
Last EDR Contact: 01/23/2017  
Next Scheduled EDR Contact: 05/08/2017  
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: 12/02/2016  
Next Scheduled EDR Contact: 03/06/2017  
Data Release Frequency: Varies

## KERN COUNTY:

### Underground Storage Tank Sites & Tank Listing

Kern County Sites and Tanks Listing.

Date of Government Version: 11/07/2016  
Date Data Arrived at EDR: 11/08/2016  
Date Made Active in Reports: 01/10/2017  
Number of Days to Update: 63

Source: Kern County Environment Health Services Department  
Telephone: 661-862-8700  
Last EDR Contact: 02/06/2017  
Next Scheduled EDR Contact: 05/22/2017  
Data Release Frequency: Quarterly

## KINGS COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 12/14/2016  
Date Data Arrived at EDR: 12/16/2016  
Date Made Active in Reports: 12/22/2016  
Number of Days to Update: 6

Source: Kings County Department of Public Health  
Telephone: 559-584-1411  
Last EDR Contact: 11/16/2016  
Next Scheduled EDR Contact: 03/06/2017  
Data Release Frequency: Varies

## LAKE COUNTY:

### CUPA Facility List

Cupa facility list

Date of Government Version: 09/08/2016  
Date Data Arrived at EDR: 09/09/2016  
Date Made Active in Reports: 10/14/2016  
Number of Days to Update: 35

Source: Lake County Environmental Health  
Telephone: 707-263-1164  
Last EDR Contact: 01/17/2017  
Next Scheduled EDR Contact: 05/01/2017  
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: 12/15/2016  
Next Scheduled EDR Contact: 04/03/2017  
Data Release Frequency: No Update Planned

### HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 11/14/2016  
Date Data Arrived at EDR: 11/18/2016  
Date Made Active in Reports: 01/23/2017  
Number of Days to Update: 66

Source: Department of Public Works  
Telephone: 626-458-3517  
Last EDR Contact: 01/23/2017  
Next Scheduled EDR Contact: 04/24/2017  
Data Release Frequency: Semi-Annually

### List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 10/17/2016  
Date Data Arrived at EDR: 10/18/2016  
Date Made Active in Reports: 12/15/2016  
Number of Days to Update: 58

Source: La County Department of Public Works  
Telephone: 818-458-5185  
Last EDR Contact: 01/18/2017  
Next Scheduled EDR Contact: 05/01/2017  
Data Release Frequency: Varies

### City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2016  
Date Data Arrived at EDR: 01/26/2016  
Date Made Active in Reports: 03/22/2016  
Number of Days to Update: 56

Source: Engineering & Construction Division  
Telephone: 213-473-7869  
Last EDR Contact: 01/17/2017  
Next Scheduled EDR Contact: 05/01/2017  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Site Mitigation List

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

Date of Government Version: 03/29/2016	Source: Community Health Services
Date Data Arrived at EDR: 04/06/2016	Telephone: 323-890-7806
Date Made Active in Reports: 06/13/2016	Last EDR Contact: 01/17/2017
Number of Days to Update: 68	Next Scheduled EDR Contact: 05/01/2017
	Data Release Frequency: Annually

## City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 03/30/2015	Source: City of El Segundo Fire Department
Date Data Arrived at EDR: 04/02/2015	Telephone: 310-524-2236
Date Made Active in Reports: 04/13/2015	Last EDR Contact: 01/17/2017
Number of Days to Update: 11	Next Scheduled EDR Contact: 05/01/2017
	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: 11/04/2015	Source: City of Long Beach Fire Department
Date Data Arrived at EDR: 11/13/2015	Telephone: 562-570-2563
Date Made Active in Reports: 12/17/2015	Last EDR Contact: 01/23/2017
Number of Days to Update: 34	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Annually

## City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 10/04/2016	Source: City of Torrance Fire Department
Date Data Arrived at EDR: 10/11/2016	Telephone: 310-618-2973
Date Made Active in Reports: 01/12/2017	Last EDR Contact: 01/09/2017
Number of Days to Update: 93	Next Scheduled EDR Contact: 04/24/2017
	Data Release Frequency: Semi-Annually

## MADERA COUNTY:

### CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/05/2016	Source: Madera County Environmental Health
Date Data Arrived at EDR: 12/09/2016	Telephone: 559-675-7823
Date Made Active in Reports: 01/19/2017	Last EDR Contact: 11/16/2016
Number of Days to Update: 41	Next Scheduled EDR Contact: 03/06/2017
	Data Release Frequency: Varies

## MARIN COUNTY:

### Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 10/19/2016	Source: Public Works Department Waste Management
Date Data Arrived at EDR: 10/25/2016	Telephone: 415-499-6647
Date Made Active in Reports: 01/12/2017	Last EDR Contact: 01/17/2017
Number of Days to Update: 79	Next Scheduled EDR Contact: 04/17/2017
	Data Release Frequency: Semi-Annually

## MERCED COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA Facility List

CUPA facility list.

Date of Government Version: 12/02/2016  
Date Data Arrived at EDR: 12/06/2016  
Date Made Active in Reports: 01/17/2017  
Number of Days to Update: 42

Source: Merced County Environmental Health  
Telephone: 209-381-1094  
Last EDR Contact: 12/02/2016  
Next Scheduled EDR Contact: 03/06/2017  
Data Release Frequency: Varies

## MONO COUNTY:

### CUPA Facility List

CUPA Facility List

Date of Government Version: 11/29/2016  
Date Data Arrived at EDR: 12/05/2016  
Date Made Active in Reports: 12/22/2016  
Number of Days to Update: 17

Source: Mono County Health Department  
Telephone: 760-932-5580  
Last EDR Contact: 11/28/2016  
Next Scheduled EDR Contact: 03/13/2017  
Data Release Frequency: Varies

## MONTEREY COUNTY:

### CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 06/24/2016  
Date Data Arrived at EDR: 06/27/2016  
Date Made Active in Reports: 08/09/2016  
Number of Days to Update: 43

Source: Monterey County Health Department  
Telephone: 831-796-1297  
Last EDR Contact: 11/21/2016  
Next Scheduled EDR Contact: 03/06/2017  
Data Release Frequency: Varies

## NAPA COUNTY:

### Sites With Reported Contamination

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

Date of Government Version: 12/05/2011  
Date Data Arrived at EDR: 12/06/2011  
Date Made Active in Reports: 02/07/2012  
Number of Days to Update: 63

Source: Napa County Department of Environmental Management  
Telephone: 707-253-4269  
Last EDR Contact: 11/28/2016  
Next Scheduled EDR Contact: 03/13/2017  
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: 01/09/2017  
Next Scheduled EDR Contact: 03/13/2017  
Data Release Frequency: No Update Planned

## NEVADA COUNTY:

### CUPA Facility List

CUPA facility list.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/07/2016  
Date Data Arrived at EDR: 11/08/2016  
Date Made Active in Reports: 12/22/2016  
Number of Days to Update: 44

Source: Community Development Agency  
Telephone: 530-265-1467  
Last EDR Contact: 01/30/2017  
Next Scheduled EDR Contact: 05/08/2017  
Data Release Frequency: Varies

## ORANGE COUNTY:

### List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 11/03/2016  
Date Data Arrived at EDR: 11/11/2016  
Date Made Active in Reports: 01/23/2017  
Number of Days to Update: 73

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 02/06/2017  
Next Scheduled EDR Contact: 05/22/2017  
Data Release Frequency: Annually

### List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 11/04/2016  
Date Data Arrived at EDR: 11/11/2016  
Date Made Active in Reports: 01/23/2017  
Number of Days to Update: 73

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 02/06/2017  
Next Scheduled EDR Contact: 05/22/2017  
Data Release Frequency: Quarterly

### List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 11/03/2016  
Date Data Arrived at EDR: 11/08/2016  
Date Made Active in Reports: 01/12/2017  
Number of Days to Update: 65

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 02/07/2017  
Next Scheduled EDR Contact: 05/22/2017  
Data Release Frequency: Quarterly

## PLACER COUNTY:

### Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 09/02/2016  
Date Data Arrived at EDR: 09/06/2016  
Date Made Active in Reports: 10/14/2016  
Number of Days to Update: 38

Source: Placer County Health and Human Services  
Telephone: 530-745-2363  
Last EDR Contact: 12/02/2016  
Next Scheduled EDR Contact: 03/20/2017  
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: 10/20/2016  
Date Data Arrived at EDR: 10/25/2016  
Date Made Active in Reports: 12/15/2016  
Number of Days to Update: 51

Source: Department of Environmental Health  
Telephone: 951-358-5055  
Last EDR Contact: 12/19/2016  
Next Scheduled EDR Contact: 04/03/2017  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 10/20/2016	Source: Department of Environmental Health
Date Data Arrived at EDR: 10/25/2016	Telephone: 951-358-5055
Date Made Active in Reports: 01/10/2017	Last EDR Contact: 12/19/2016
Number of Days to Update: 77	Next Scheduled EDR Contact: 04/03/2017
	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: 08/22/2016	Source: Sacramento County Environmental Management
Date Data Arrived at EDR: 10/04/2016	Telephone: 916-875-8406
Date Made Active in Reports: 11/18/2016	Last EDR Contact: 01/05/2017
Number of Days to Update: 45	Next Scheduled EDR Contact: 04/17/2017
	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: 08/22/2016	Source: Sacramento County Environmental Management
Date Data Arrived at EDR: 10/04/2016	Telephone: 916-875-8406
Date Made Active in Reports: 12/16/2016	Last EDR Contact: 01/05/2017
Number of Days to Update: 73	Next Scheduled EDR Contact: 04/17/2017
	Data Release Frequency: Quarterly

## SAN BERNARDINO COUNTY:

### Hazardous Material Permits

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

Date of Government Version: 09/06/2016	Source: San Bernardino County Fire Department Hazardous Materials Division
Date Data Arrived at EDR: 09/07/2016	Telephone: 909-387-3041
Date Made Active in Reports: 10/19/2016	Last EDR Contact: 02/06/2017
Number of Days to Update: 42	Next Scheduled EDR Contact: 05/22/2017
	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	Source: Hazardous Materials Management Division
Date Data Arrived at EDR: 09/24/2013	Telephone: 619-338-2268
Date Made Active in Reports: 10/17/2013	Last EDR Contact: 12/06/2016
Number of Days to Update: 23	Next Scheduled EDR Contact: 03/20/2017
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2015  
Date Data Arrived at EDR: 11/07/2015  
Date Made Active in Reports: 01/04/2016  
Number of Days to Update: 58

Source: Department of Health Services  
Telephone: 619-338-2209  
Last EDR Contact: 01/23/2017  
Next Scheduled EDR Contact: 05/08/2017  
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: 12/02/2016  
Next Scheduled EDR Contact: 03/20/2017  
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: 02/03/2017  
Next Scheduled EDR Contact: 05/22/2017  
Data Release Frequency: Quarterly

### Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/16/2016  
Date Data Arrived at EDR: 11/21/2016  
Date Made Active in Reports: 01/12/2017  
Number of Days to Update: 52

Source: Department of Public Health  
Telephone: 415-252-3920  
Last EDR Contact: 02/06/2017  
Next Scheduled EDR Contact: 05/22/2017  
Data Release Frequency: Quarterly

## SAN JOAQUIN COUNTY:

### San Joaquin Co. UST

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

Date of Government Version: 12/21/2016  
Date Data Arrived at EDR: 12/27/2016  
Date Made Active in Reports: 02/14/2017  
Number of Days to Update: 49

Source: Environmental Health Department  
Telephone: N/A  
Last EDR Contact: 12/15/2016  
Next Scheduled EDR Contact: 04/03/2017  
Data Release Frequency: Semi-Annually

## SAN LUIS OBISPO COUNTY:

### CUPA Facility List

Cupa Facility List.

Date of Government Version: 11/17/2016  
Date Data Arrived at EDR: 11/21/2016  
Date Made Active in Reports: 01/19/2017  
Number of Days to Update: 59

Source: San Luis Obispo County Public Health Department  
Telephone: 805-781-5596  
Last EDR Contact: 11/16/2016  
Next Scheduled EDR Contact: 03/06/2017  
Data Release Frequency: Varies

## SAN MATEO COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Business Inventory

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

Date of Government Version: 06/02/2016  
Date Data Arrived at EDR: 06/07/2016  
Date Made Active in Reports: 06/22/2016  
Number of Days to Update: 15

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 01/30/2017  
Next Scheduled EDR Contact: 03/20/2017  
Data Release Frequency: Annually

## Fuel Leak List

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

Date of Government Version: 06/09/2016  
Date Data Arrived at EDR: 06/13/2016  
Date Made Active in Reports: 08/09/2016  
Number of Days to Update: 57

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 12/09/2016  
Next Scheduled EDR Contact: 03/27/2017  
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: 11/16/2016  
Next Scheduled EDR Contact: 03/06/2017  
Data Release Frequency: Varies

## SANTA CLARA COUNTY:

### Cupa Facility List

Cupa facility list

Date of Government Version: 11/16/2016  
Date Data Arrived at EDR: 11/21/2016  
Date Made Active in Reports: 01/19/2017  
Number of Days to Update: 59

Source: Department of Environmental Health  
Telephone: 408-918-1973  
Last EDR Contact: 11/16/2016  
Next Scheduled EDR Contact: 03/06/2017  
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: 11/28/2016  
Next Scheduled EDR Contact: 03/13/2017  
Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/07/2016  
Date Data Arrived at EDR: 11/10/2016  
Date Made Active in Reports: 01/24/2017  
Number of Days to Update: 75

Source: City of San Jose Fire Department  
Telephone: 408-535-7694  
Last EDR Contact: 02/06/2017  
Next Scheduled EDR Contact: 05/22/2017  
Data Release Frequency: Annually

## SANTA CRUZ COUNTY:

### CUPA Facility List

CUPA facility listing.

Date of Government Version: 11/16/2016  
Date Data Arrived at EDR: 11/21/2016  
Date Made Active in Reports: 01/19/2017  
Number of Days to Update: 59

Source: Santa Cruz County Environmental Health  
Telephone: 831-464-2761  
Last EDR Contact: 11/16/2016  
Next Scheduled EDR Contact: 03/06/2017  
Data Release Frequency: Varies

## SHASTA COUNTY:

### CUPA Facility List

Cupa Facility List.

Date of Government Version: 09/12/2016  
Date Data Arrived at EDR: 09/15/2016  
Date Made Active in Reports: 10/14/2016  
Number of Days to Update: 29

Source: Shasta County Department of Resource Management  
Telephone: 530-225-5789  
Last EDR Contact: 11/21/2016  
Next Scheduled EDR Contact: 03/06/2017  
Data Release Frequency: Varies

## SOLANO COUNTY:

### Leaking Underground Storage Tanks

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

Date of Government Version: 11/29/2016  
Date Data Arrived at EDR: 12/21/2016  
Date Made Active in Reports: 12/22/2016  
Number of Days to Update: 1

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 12/09/2016  
Next Scheduled EDR Contact: 03/27/2017  
Data Release Frequency: Quarterly

### Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 11/29/2016  
Date Data Arrived at EDR: 12/22/2016  
Date Made Active in Reports: 01/10/2017  
Number of Days to Update: 19

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 12/09/2016  
Next Scheduled EDR Contact: 03/27/2017  
Data Release Frequency: Quarterly

## SONOMA COUNTY:

### Cupa Facility List

Cupa Facility list

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/27/2016  
Date Data Arrived at EDR: 09/28/2016  
Date Made Active in Reports: 11/22/2016  
Number of Days to Update: 55

Source: County of Sonoma Fire & Emergency Services Department  
Telephone: 707-565-1174  
Last EDR Contact: 12/22/2016  
Next Scheduled EDR Contact: 04/10/2017  
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: 10/04/2016  
Date Data Arrived at EDR: 10/06/2016  
Date Made Active in Reports: 12/16/2016  
Number of Days to Update: 71

Source: Department of Health Services  
Telephone: 707-565-6565  
Last EDR Contact: 12/22/2016  
Next Scheduled EDR Contact: 04/10/2017  
Data Release Frequency: Quarterly

## SUTTER COUNTY:

### Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 12/02/2016  
Date Data Arrived at EDR: 12/06/2016  
Date Made Active in Reports: 01/10/2017  
Number of Days to Update: 35

Source: Sutter County Department of Agriculture  
Telephone: 530-822-7500  
Last EDR Contact: 12/02/2016  
Next Scheduled EDR Contact: 03/20/2017  
Data Release Frequency: Semi-Annually

## TUOLUMNE COUNTY:

### CUPA Facility List

Cupa facility list

Date of Government Version: 10/27/2016  
Date Data Arrived at EDR: 10/28/2016  
Date Made Active in Reports: 01/10/2017  
Number of Days to Update: 74

Source: Division of Environmental Health  
Telephone: 209-533-5633  
Last EDR Contact: 01/23/2017  
Next Scheduled EDR Contact: 05/08/2017  
Data Release Frequency: Varies

## VENTURA COUNTY:

### Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

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

Date of Government Version: 09/26/2016  
Date Data Arrived at EDR: 10/27/2016  
Date Made Active in Reports: 01/17/2017  
Number of Days to Update: 82

Source: Ventura County Environmental Health Division  
Telephone: 805-654-2813  
Last EDR Contact: 01/23/2017  
Next Scheduled EDR Contact: 05/08/2017  
Data Release Frequency: Quarterly

### Inventory of Illegal Abandoned and Inactive Sites

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

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

Source: Environmental Health Division  
Telephone: 805-654-2813  
Last EDR Contact: 12/30/2016  
Next Scheduled EDR Contact: 04/10/2017  
Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 02/13/2017
Number of Days to Update: 37	Next Scheduled EDR Contact: 05/29/2017
	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: 09/26/2016	Source: Ventura County Resource Management Agency
Date Data Arrived at EDR: 10/27/2016	Telephone: 805-654-2813
Date Made Active in Reports: 01/24/2017	Last EDR Contact: 01/23/2017
Number of Days to Update: 89	Next Scheduled EDR Contact: 05/08/2017
	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: 11/28/2016	Source: Environmental Health Division
Date Data Arrived at EDR: 12/14/2016	Telephone: 805-654-2813
Date Made Active in Reports: 01/12/2017	Last EDR Contact: 12/14/2016
Number of Days to Update: 29	Next Scheduled EDR Contact: 03/27/2017
	Data Release Frequency: Quarterly

## YOLO COUNTY:

### Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 11/14/2016	Source: Yolo County Department of Health
Date Data Arrived at EDR: 11/18/2016	Telephone: 530-666-8646
Date Made Active in Reports: 01/12/2017	Last EDR Contact: 01/03/2017
Number of Days to Update: 55	Next Scheduled EDR Contact: 04/17/2017
	Data Release Frequency: Annually

## YUBA COUNTY:

### CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 10/28/2016	Source: Yuba County Environmental Health Department
Date Data Arrived at EDR: 11/03/2016	Telephone: 530-749-7523
Date Made Active in Reports: 12/15/2016	Last EDR Contact: 01/30/2017
Number of Days to Update: 42	Next Scheduled EDR Contact: 05/08/2017
	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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 11/11/2016  
Next Scheduled EDR Contact: 02/27/2017  
Data Release Frequency: No Update Planned

## NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2015  
Date Data Arrived at EDR: 09/29/2016  
Date Made Active in Reports: 01/03/2017  
Number of Days to Update: 96

Source: Department of Environmental Protection  
Telephone: N/A  
Last EDR Contact: 01/09/2017  
Next Scheduled EDR Contact: 04/24/2017  
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: 01/30/2017  
Date Data Arrived at EDR: 02/01/2017  
Date Made Active in Reports: 02/13/2017  
Number of Days to Update: 12

Source: Department of Environmental Conservation  
Telephone: 518-402-8651  
Last EDR Contact: 02/01/2017  
Next Scheduled EDR Contact: 05/08/2017  
Data Release Frequency: Annually

## PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2015  
Date Data Arrived at EDR: 07/22/2016  
Date Made Active in Reports: 11/22/2016  
Number of Days to Update: 123

Source: Department of Environmental Protection  
Telephone: 717-783-8990  
Last EDR Contact: 01/12/2017  
Next Scheduled EDR Contact: 05/01/2017  
Data Release Frequency: Annually

## RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2013  
Date Data Arrived at EDR: 06/19/2015  
Date Made Active in Reports: 07/15/2015  
Number of Days to Update: 26

Source: Department of Environmental Management  
Telephone: 401-222-2797  
Last EDR Contact: 11/21/2016  
Next Scheduled EDR Contact: 03/06/2017  
Data Release Frequency: Annually

## WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2015  
Date Data Arrived at EDR: 04/14/2016  
Date Made Active in Reports: 06/03/2016  
Number of Days to Update: 50

Source: Department of Natural Resources  
Telephone: N/A  
Last EDR Contact: 12/12/2016  
Next Scheduled EDR Contact: 03/27/2017  
Data Release Frequency: Annually

## Oil/Gas Pipelines

Source: PennWell Corporation

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

## Electric Power Transmission Line Data

Source: PennWell Corporation

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## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

### AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

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

### Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

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

### Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

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

### Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

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

### Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

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

### Daycare Centers: Licensed Facilities

Source: Department of Social Services

Telephone: 916-657-4041

**Flood Zone Data:** This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

### State Wetlands Data: Wetland Inventory

Source: Department of Fish & Game

Telephone: 916-445-0411

### Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## STREET AND ADDRESS INFORMATION

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## **APPENDIX C – HISTORIC AERIAL PHOTOGRAPHS AND TOPOGRAPHIC MAPS**



**Former Oliver Salt Plant**

4150 Point Eden Way

Hayward, CA 94545

Inquiry Number: 4253165.9

April 07, 2015

## The EDR Aerial Photo Decade Package



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

# EDR Aerial Photo Decade Package

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

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

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**Date EDR Searched Historical Sources:**

Aerial Photography April 07, 2015

**Target Property:**

4150 Point Eden Way

Hayward, CA 94545

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1939	Aerial Photograph. Scale: 1"=500'	Flight Year: 1939	USGS
1946	Aerial Photograph. Scale: 1"=500'	Flight Year: 1946	USGS
1958	Aerial Photograph. Scale: 1"=500'	Flight Year: 1958	USGS
1966	Aerial Photograph. Scale: 1"=500'	Flight Year: 1966	USGS
1968	Aerial Photograph. Scale: 1"=500'	Flight Year: 1968	USGS
1974	Aerial Photograph. Scale: 1"=500'	Flight Year: 1974	USGS
1982	Aerial Photograph. Scale: 1"=500'	Flight Year: 1982	USGS
1993	Aerial Photograph. Scale: 1"=500'	/DOQQ - acquisition dates: 1993	USGS/DOQQ
1998	Aerial Photograph. Scale: 1"=500'	Flight Year: 1998 Best Copy Available from original source	USGS
2005	Aerial Photograph. Scale: 1"=500'	Flight Year: 2005	USDA/NAIP
2009	Aerial Photograph. Scale: 1"=500'	Flight Year: 2009	USDA/NAIP
2010	Aerial Photograph. Scale: 1"=500'	Flight Year: 2010	USDA/NAIP
2012	Aerial Photograph. Scale: 1"=500'	Flight Year: 2012	USDA/NAIP



**INQUIRY #:** 4253165.9

**YEAR:** 1939

 = 500'





**INQUIRY #:** 4253165.9

**YEAR:** 1946

 = 500'





**INQUIRY #:** 4253165.9

**YEAR:** 1958

| = 500'





**INQUIRY #:** 4253165.9

**YEAR:** 1966

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**INQUIRY #:** 4253165.9

**YEAR:** 1968

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INQUIRY #: 4253165.9

YEAR: 1974

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**INQUIRY #:** 4253165.9

**YEAR:** 1982

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INQUIRY #: 4253165.9

YEAR: 1993

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**INQUIRY #:** 4253165.9

**YEAR:** 1998

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**INQUIRY #:** 4253165.9

**YEAR:** 2005

| = 500'





**INQUIRY #:** 4253165.9

**YEAR:** 2009

| = 500'





**INQUIRY #:** 4253165.9

**YEAR:** 2010

— = 500'





**INQUIRY #:** 4253165.9

**YEAR:** 2012

— = 500'





**Former Oliver Salt Plant**

4150 Point Eden Way

Hayward, CA 94545

Inquiry Number: 4253165.4

April 03, 2015

# EDR Historical Topographic Map Report



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

# EDR Historical Topographic Map Report

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

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

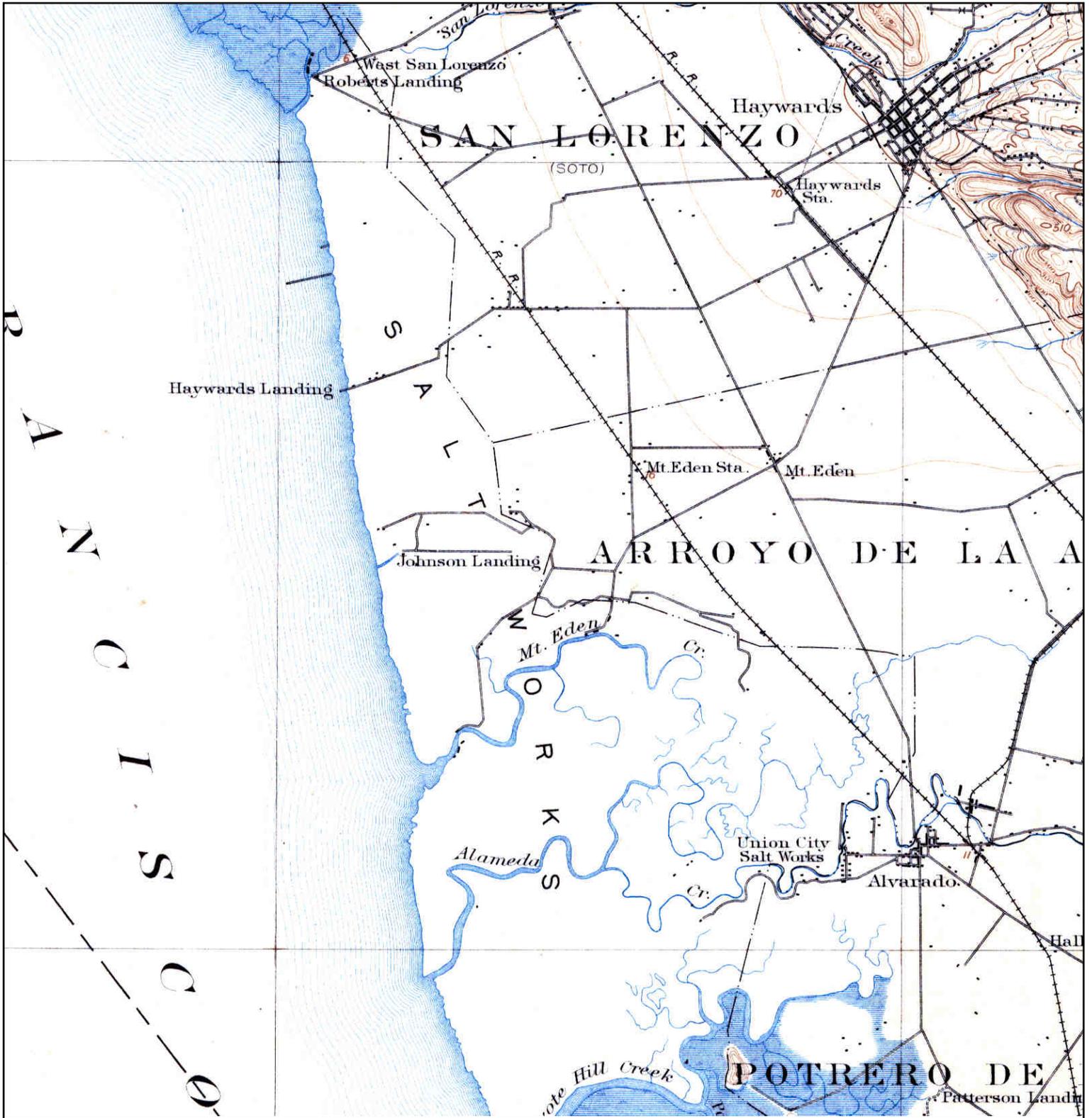
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# Historical Topographic Map



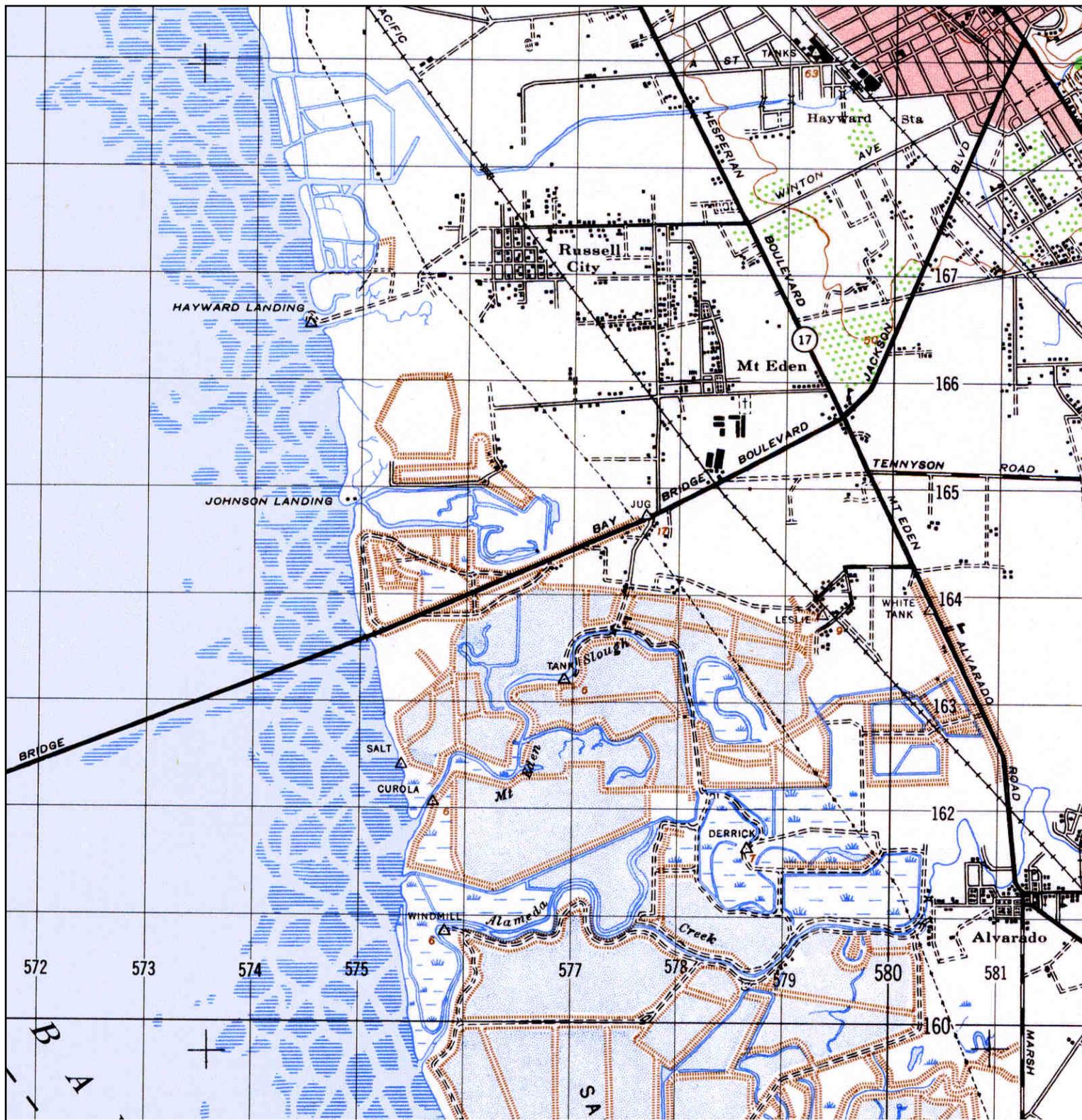
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	<b>NAME:</b> HAYWARDS		<b>CONTACT:</b> Brent Johnson
	<b>MAP YEAR:</b> 1899	<b>ADDRESS:</b> 4150 Point Eden Way Hayward, CA 94545	<b>INQUIRY#:</b> 4253165.4
	<b>SERIES:</b> 15	<b>LAT/LONG:</b> 37.6243 / -122.1304	<b>RESEARCH DATE:</b> 04/03/2015
	<b>SCALE:</b> 1:62500		

# Historical Topographic Map



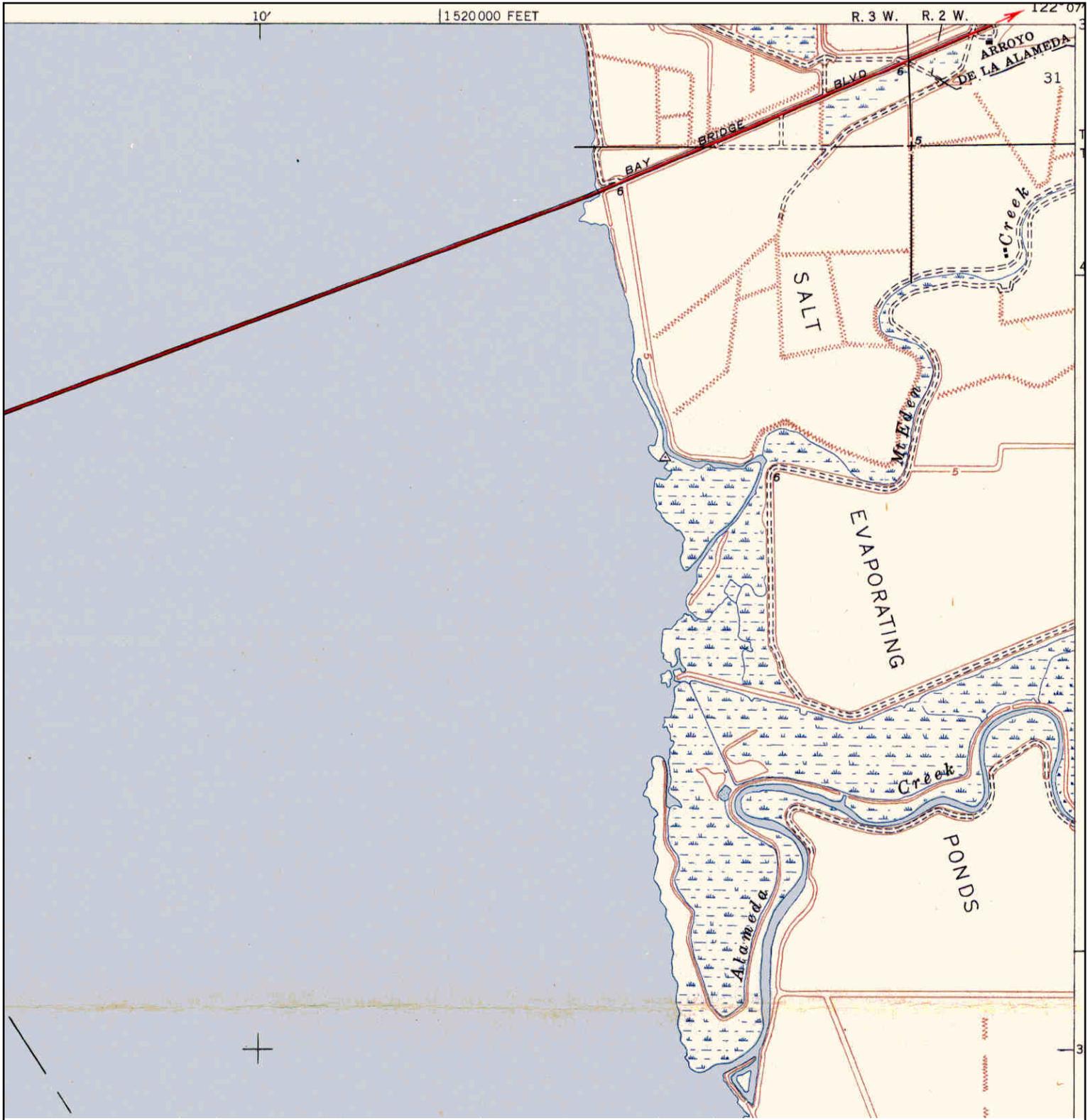
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	NAME: HAYWARD	<b>ADDRESS:</b> 4150 Point Eden Way	<b>CONTACT:</b> Brent Johnson
	MAP YEAR: 1915	Hayward, CA 94545	<b>INQUIRY#:</b> 4253165.4
	SERIES: 15	<b>LAT/LONG:</b> 37.6243 / -122.1304	<b>RESEARCH DATE:</b> 04/03/2015
	SCALE: 1:62500		

# Historical Topographic Map



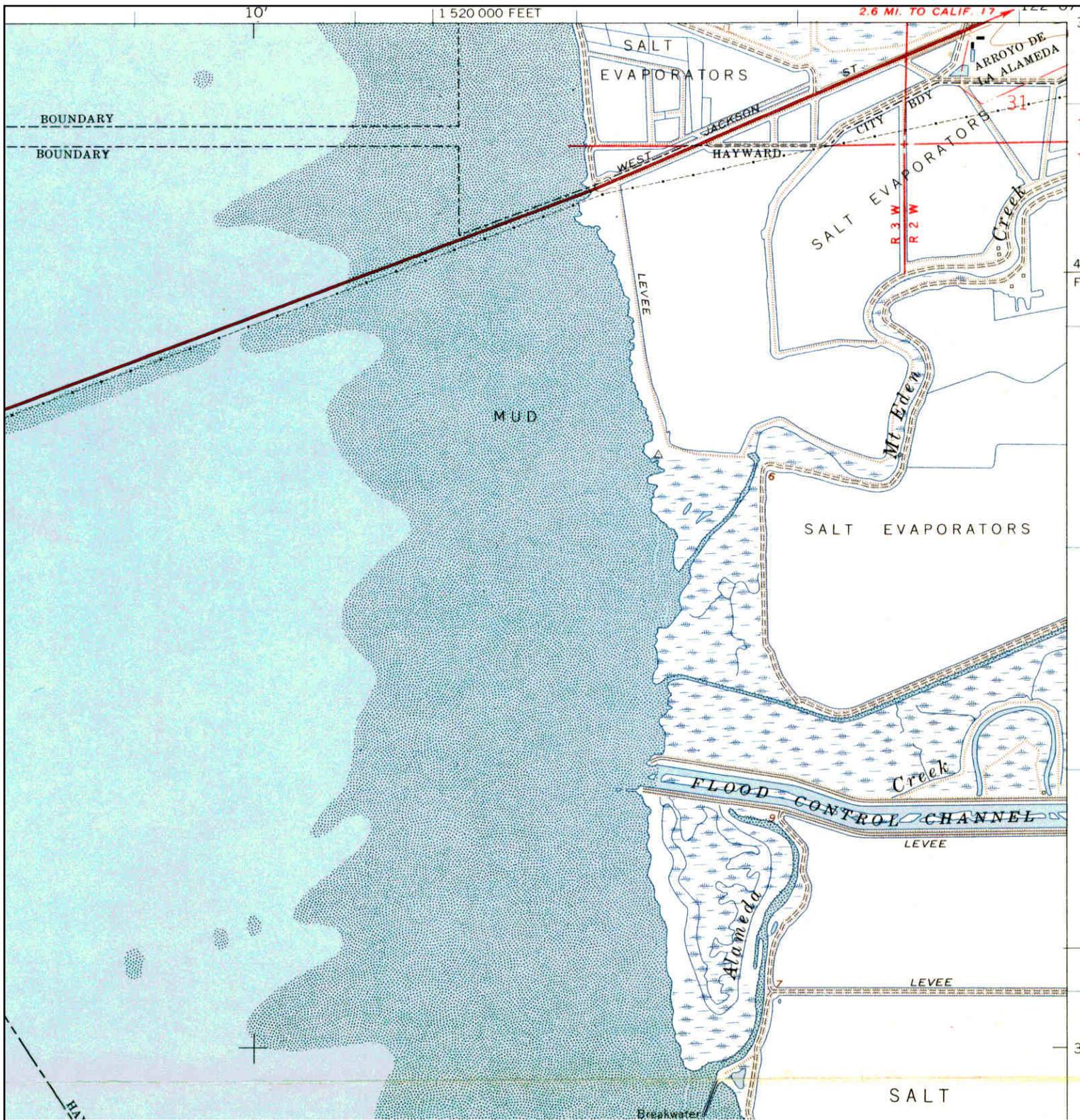
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	<p>NAME: HAYWARD</p>	<p>ADDRESS: 4150 Point Eden Way</p>	<p>CONTACT: Brent Johnson</p>
	<p>MAP YEAR: 1948</p>	<p>HAYWARD, CA 94545</p>	<p>INQUIRY#: 4253165.4</p>
	<p>SERIES: 15</p>	<p>LAT/LONG: 37.6243 / -122.1304</p>	<p>RESEARCH DATE: 04/03/2015</p>
	<p>SCALE: 1:50000</p>		

# Historical Topographic Map



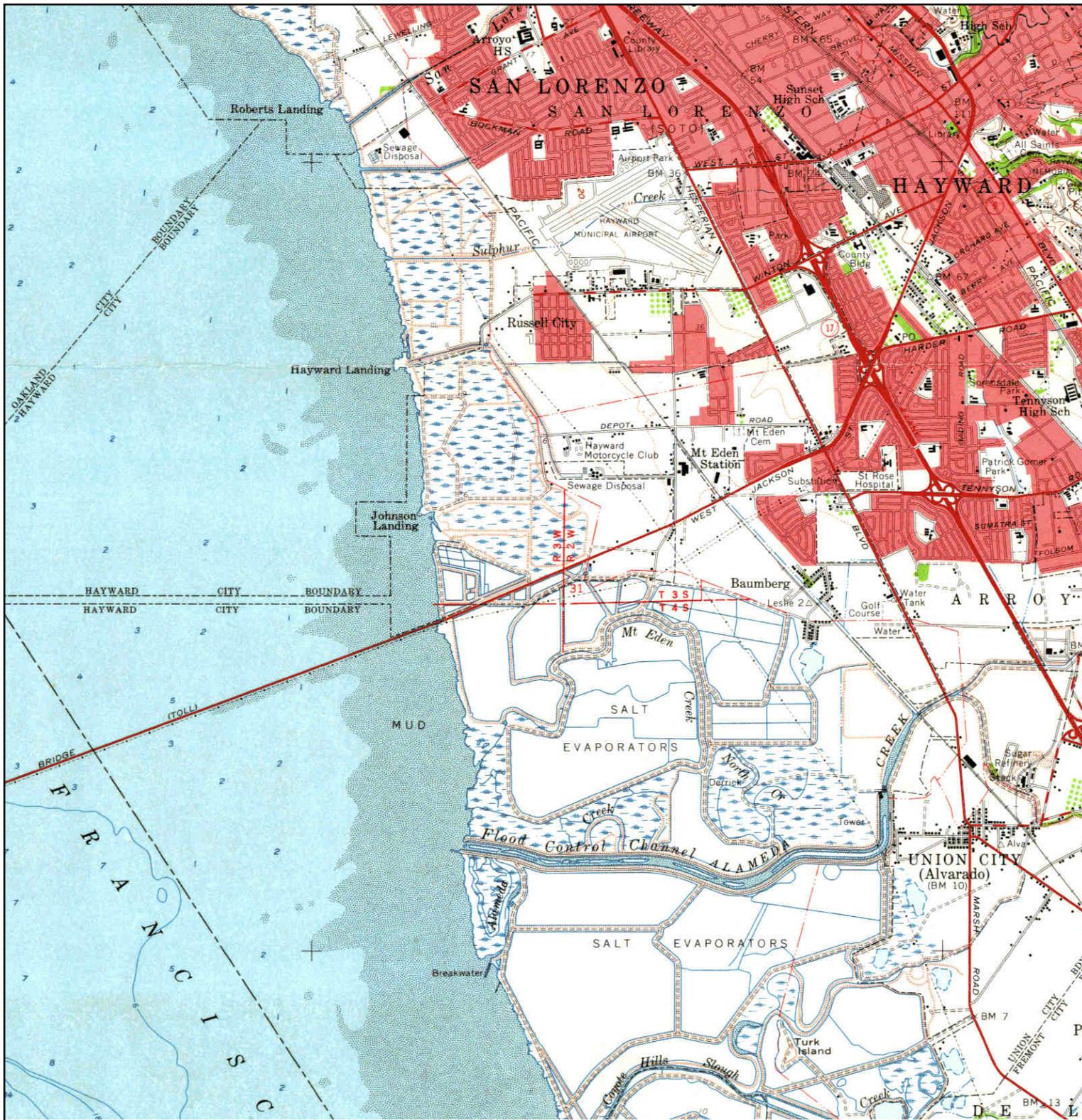
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	<p>SERIES: 7.5</p> <p>SCALE: 1:24000</p>	<p>ADDRESS: 4150 Point Eden Way Hayward, CA 94545</p>	<p>CONTACT: Brent Johnson</p>
		<p>LAT/LONG: 37.6243 / -122.1304</p>	<p>INQUIRY#: 4253165.4</p>
			<p>RESEARCH DATE: 04/03/2015</p>

# Historical Topographic Map



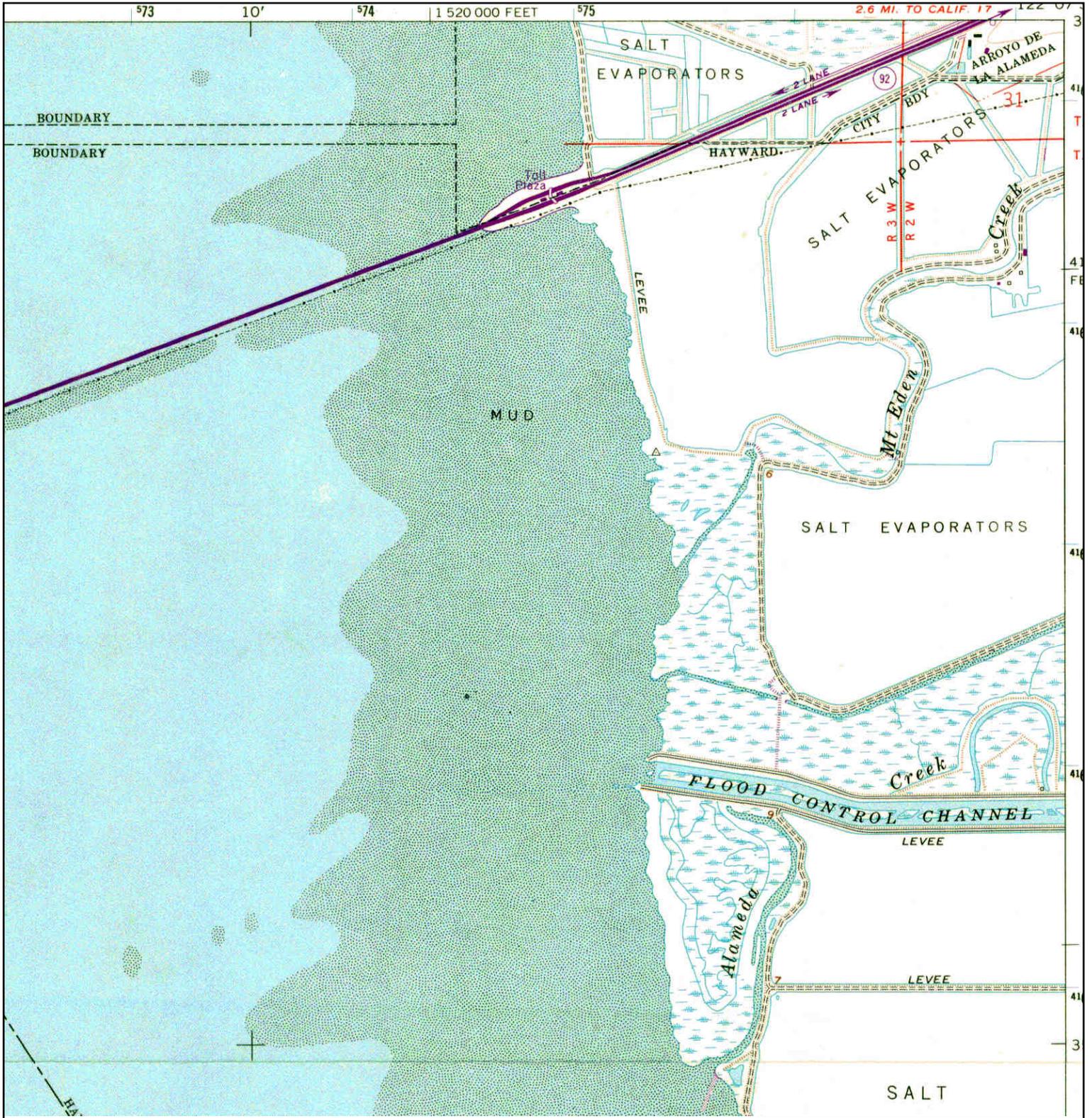
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	<p>SERIES: 7.5</p> <p>SCALE: 1:24000</p>		

# Historical Topographic Map



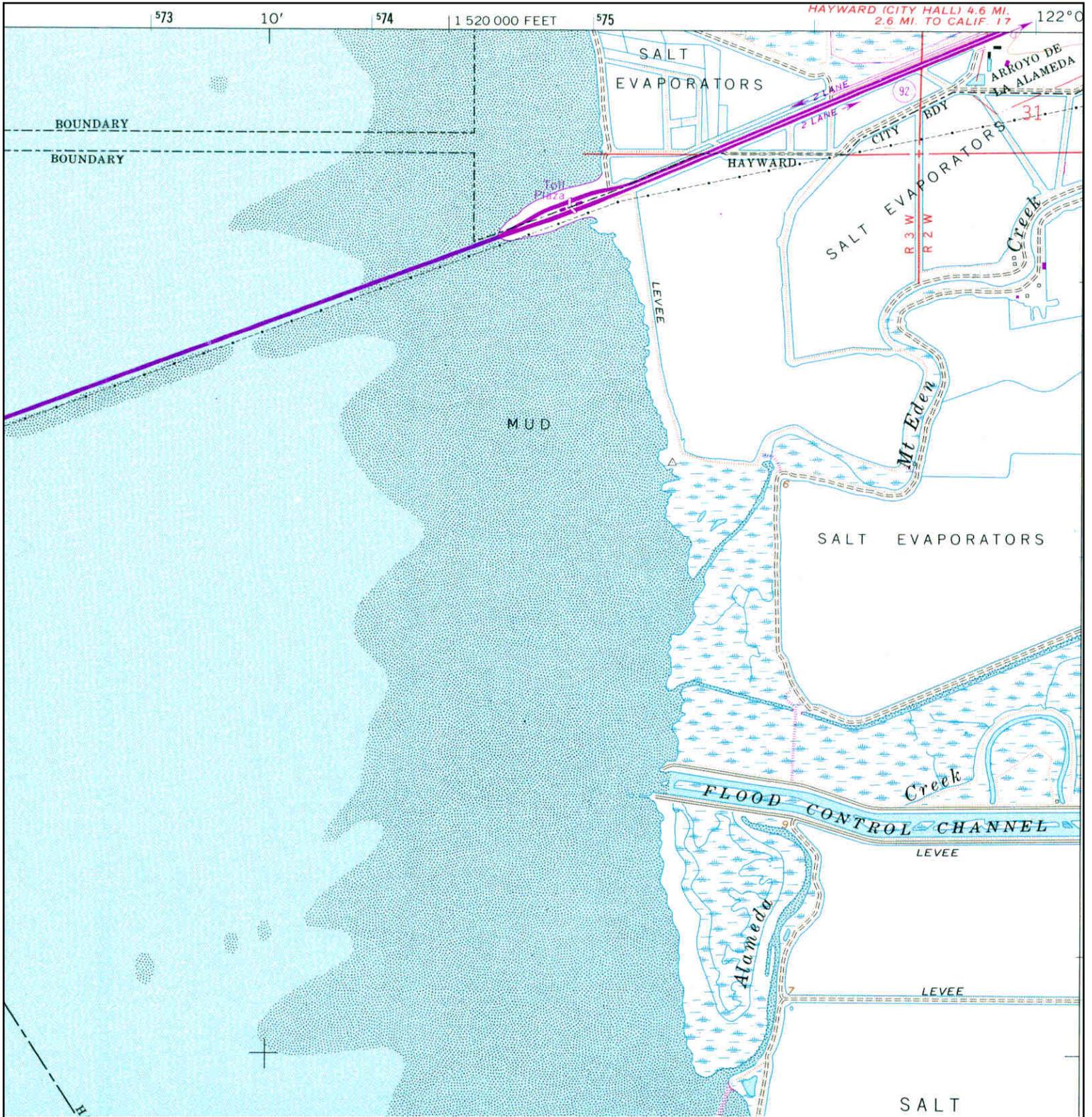
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	MAP YEAR: 1959	<b>ADDRESS:</b> 4150 Point Eden Way Hayward, CA 94545	<b>INQUIRY#:</b> 4253165.4
	SERIES: 15	<b>LAT/LONG:</b> 37.6243 / -122.1304	<b>RESEARCH DATE:</b> 04/03/2015
	SCALE: 1:62500		

# Historical Topographic Map



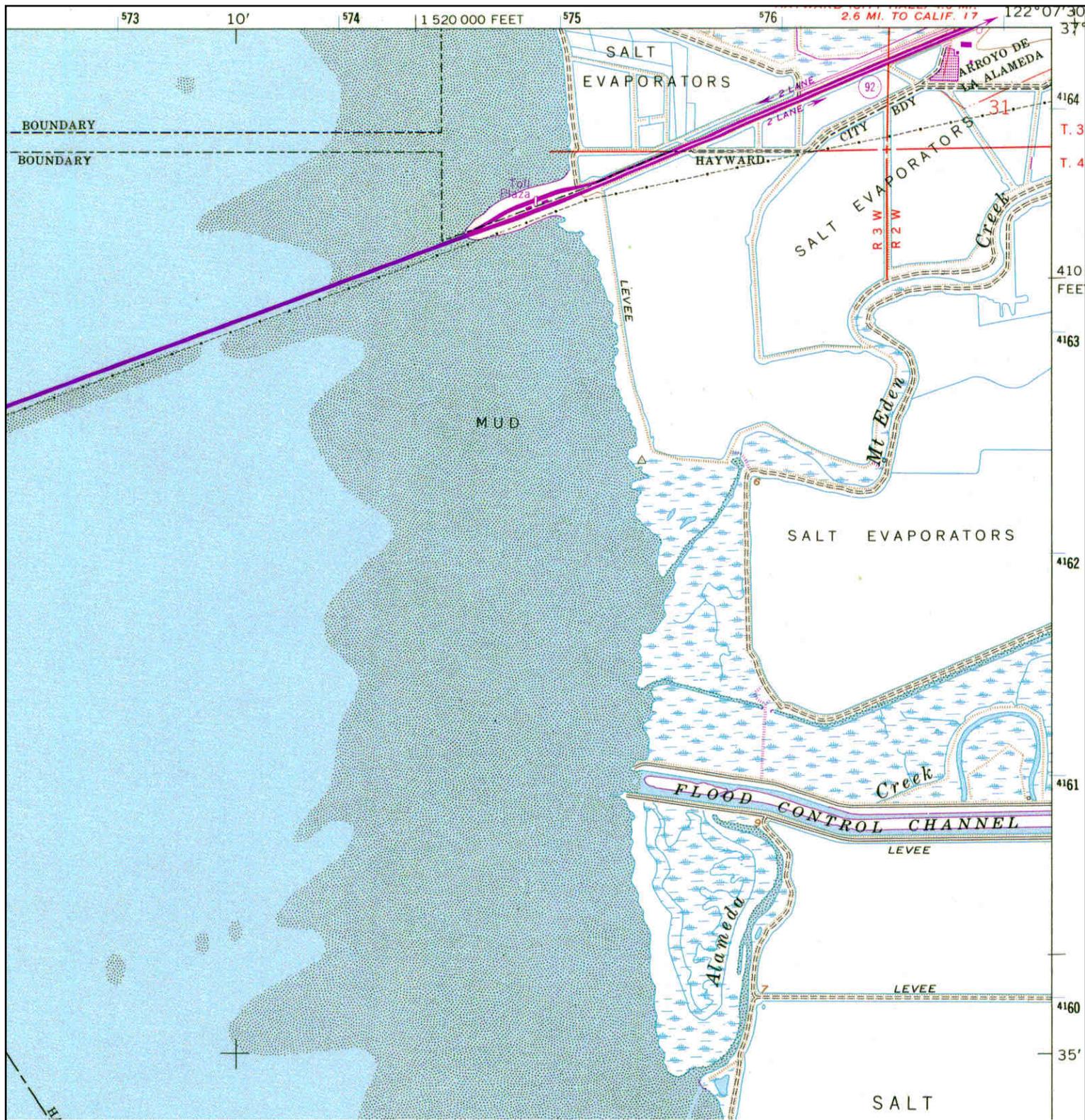
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	NAME: REDWOOD POINT		<b>CONTACT:</b> Brent Johnson
	MAP YEAR: 1968	<b>ADDRESS:</b> 4150 Point Eden Way	<b>INQUIRY#:</b> 4253165.4
	PHOTOREVISED FROM :1959	Hayward, CA 94545	<b>RESEARCH DATE:</b> 04/03/2015
	SERIES: 7.5	<b>LAT/LONG:</b> 37.6243 / -122.1304	
	SCALE: 1:24000		

# Historical Topographic Map



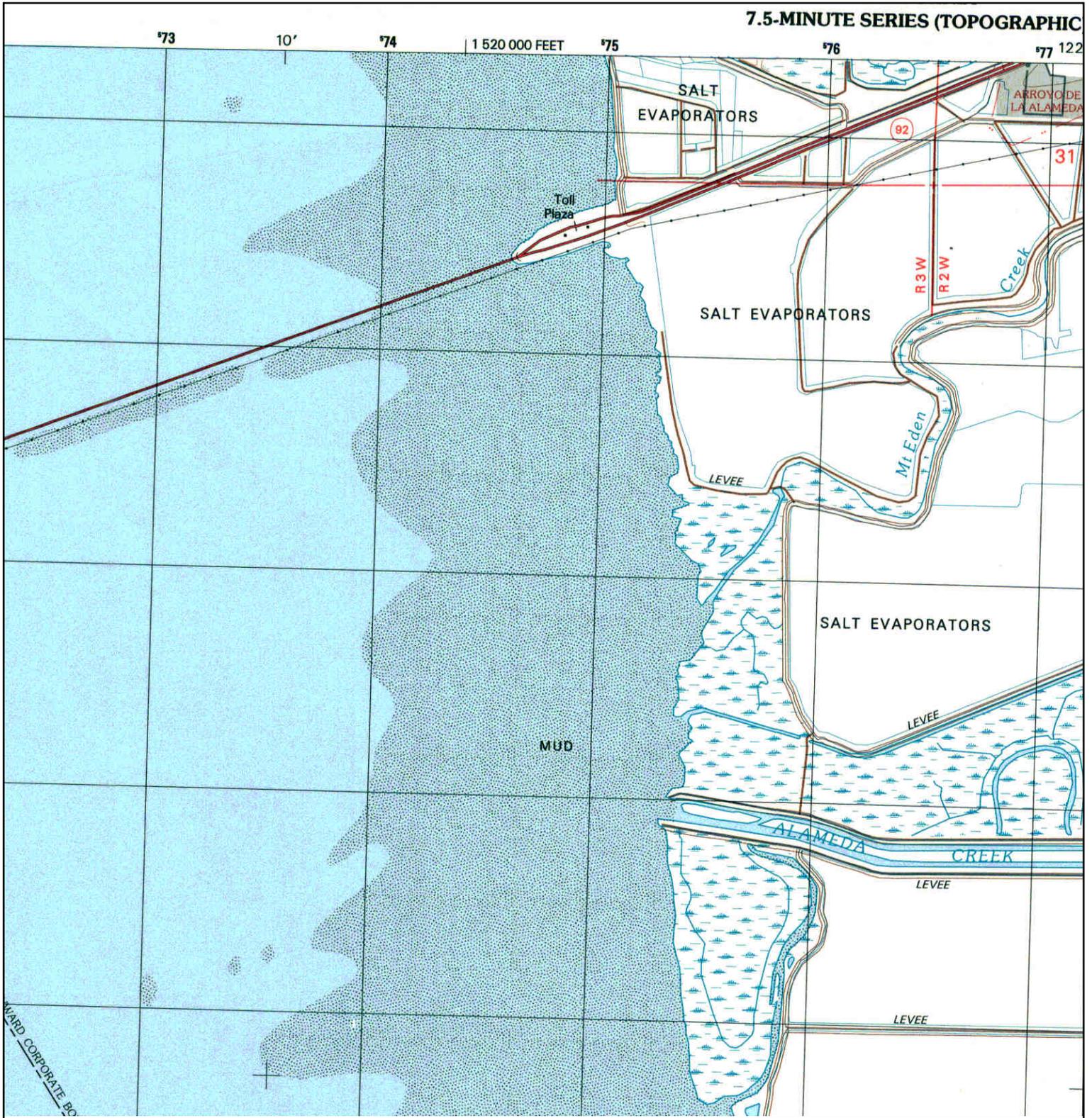
	<b>TARGET QUAD</b>	<b>SITE NAME:</b> Former Oliver Salt Plant	<b>CLIENT:</b> Cornerstone Earth Group
	NAME: REDWOOD POINT	<b>ADDRESS:</b> 4150 Point Eden Way	<b>CONTACT:</b> Brent Johnson
	MAP YEAR: 1973	Hayward, CA 94545	<b>INQUIRY#:</b> 4253165.4
	PHOTOREVISED FROM :1959	<b>LAT/LONG:</b> 37.6243 / -122.1304	<b>RESEARCH DATE:</b> 04/03/2015
	SERIES: 7.5		
	SCALE: 1:24000		

# Historical Topographic Map



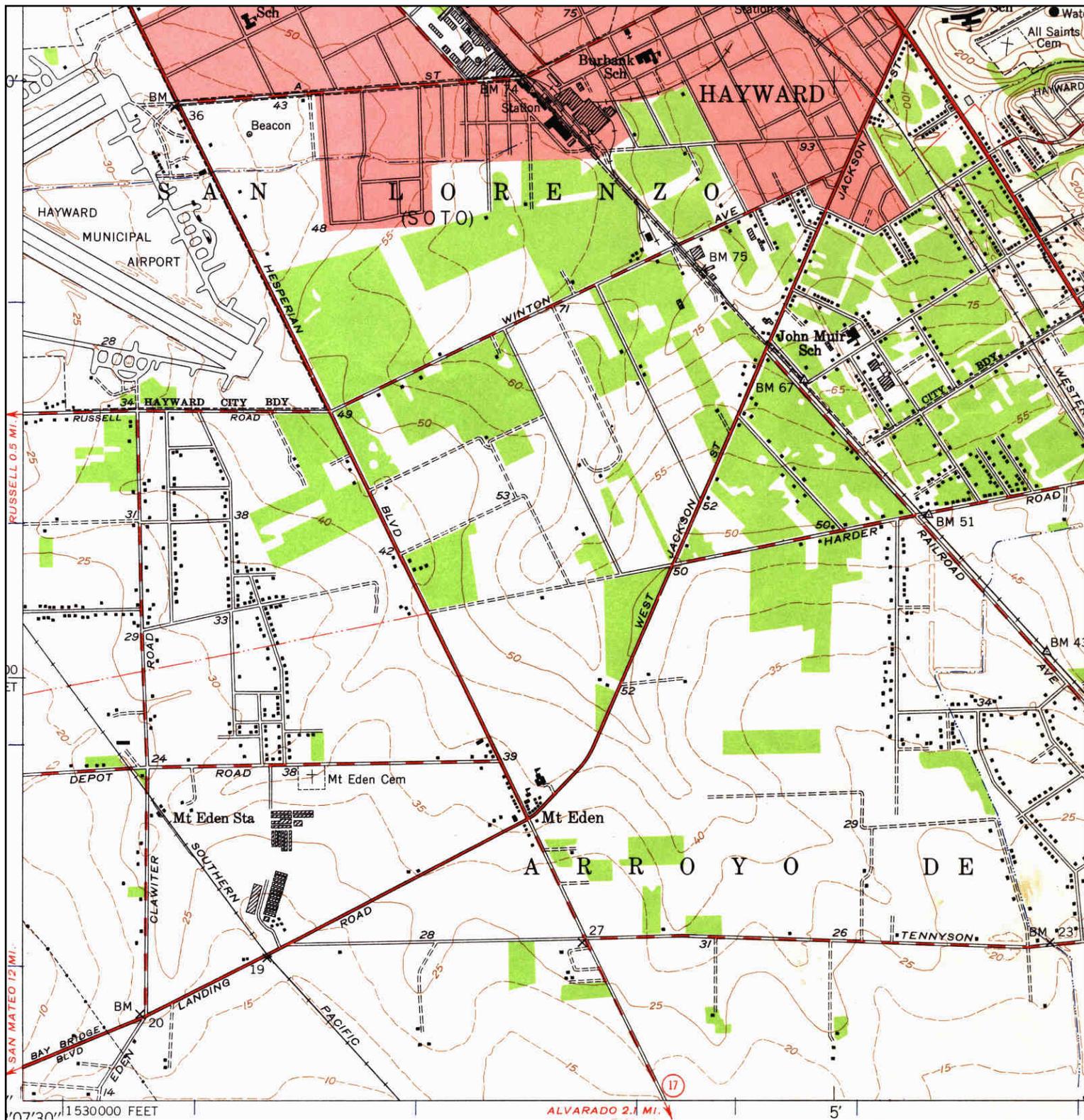
	<b>TARGET QUAD</b>	<b>SITE NAME:</b> Former Oliver Salt Plant	<b>CLIENT:</b> Cornerstone Earth Group
	NAME: REDWOOD POINT		<b>CONTACT:</b> Brent Johnson
	MAP YEAR: 1980	<b>ADDRESS:</b> 4150 Point Eden Way	<b>INQUIRY#:</b> 4253165.4
	PHOTOREVISED FROM :1959	Hayward, CA 94545	<b>RESEARCH DATE:</b> 04/03/2015
	SERIES: 7.5	<b>LAT/LONG:</b> 37.6243 / -122.1304	
	SCALE: 1:24000		

# Historical Topographic Map



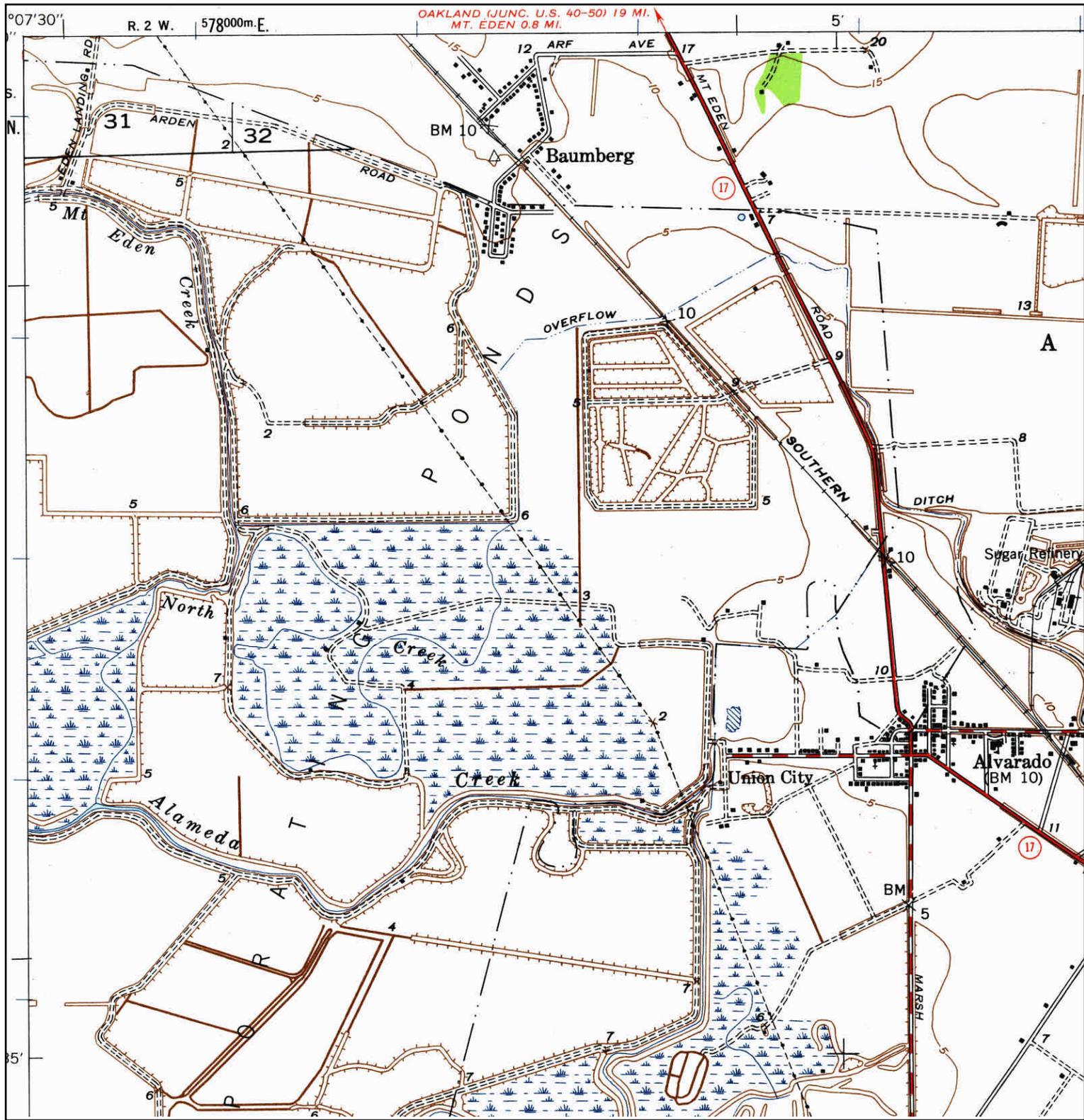
	<b>TARGET QUAD</b>	<b>SITE NAME:</b> Former Oliver Salt Plant	<b>CLIENT:</b> Cornerstone Earth Group
	NAME: REDWOOD POINT		<b>CONTACT:</b> Brent Johnson
	MAP YEAR: 1993	<b>ADDRESS:</b> 4150 Point Eden Way Hayward, CA 94545	<b>INQUIRY#:</b> 4253165.4
	SERIES: 7.5	<b>LAT/LONG:</b> 37.6243 / -122.1304	<b>RESEARCH DATE:</b> 04/03/2015
	SCALE: 1:24000		

# Historical Topographic Map



	<b>ADJOINING QUAD</b>		<b>SITE NAME:</b> Former Oliver Salt Plant  <b>ADDRESS:</b> 4150 Point Eden Way Hayward, CA 94545  <b>LAT/LONG:</b> 37.6243 / -122.1304	<b>CLIENT:</b> Cornerstone Earth Group <b>CONTACT:</b> Brent Johnson <b>INQUIRY#:</b> 4253165.4 <b>RESEARCH DATE:</b> 04/03/2015
	<b>NAME:</b> HAYWARD			
	<b>MAP YEAR:</b> 1947			
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	<b>SCALE:</b> 1:24000			

# Historical Topographic Map



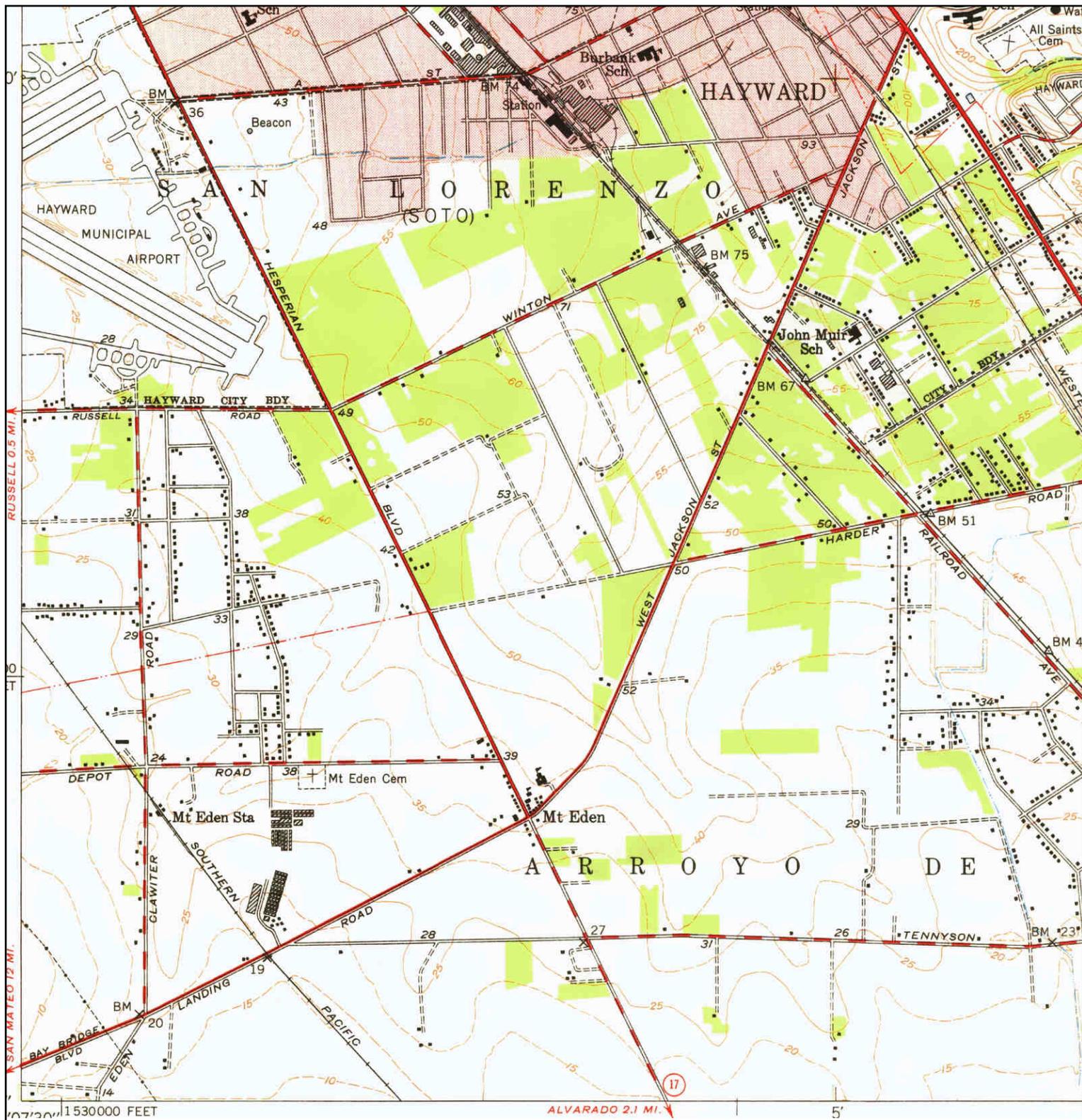
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	NAME: NEWARK	Former Oliver Salt Plant	Cornerstone Earth Group
	MAP YEAR: 1947	ADDRESS: 4150 Point Eden Way	CONTACT: Brent Johnson
	SERIES: 7.5	Hayward, CA 94545	INQUIRY#: 4253165.4
	SCALE: 1:24000	LAT/LONG: 37.6243 / -122.1304	RESEARCH DATE: 04/03/2015

# Historical Topographic Map



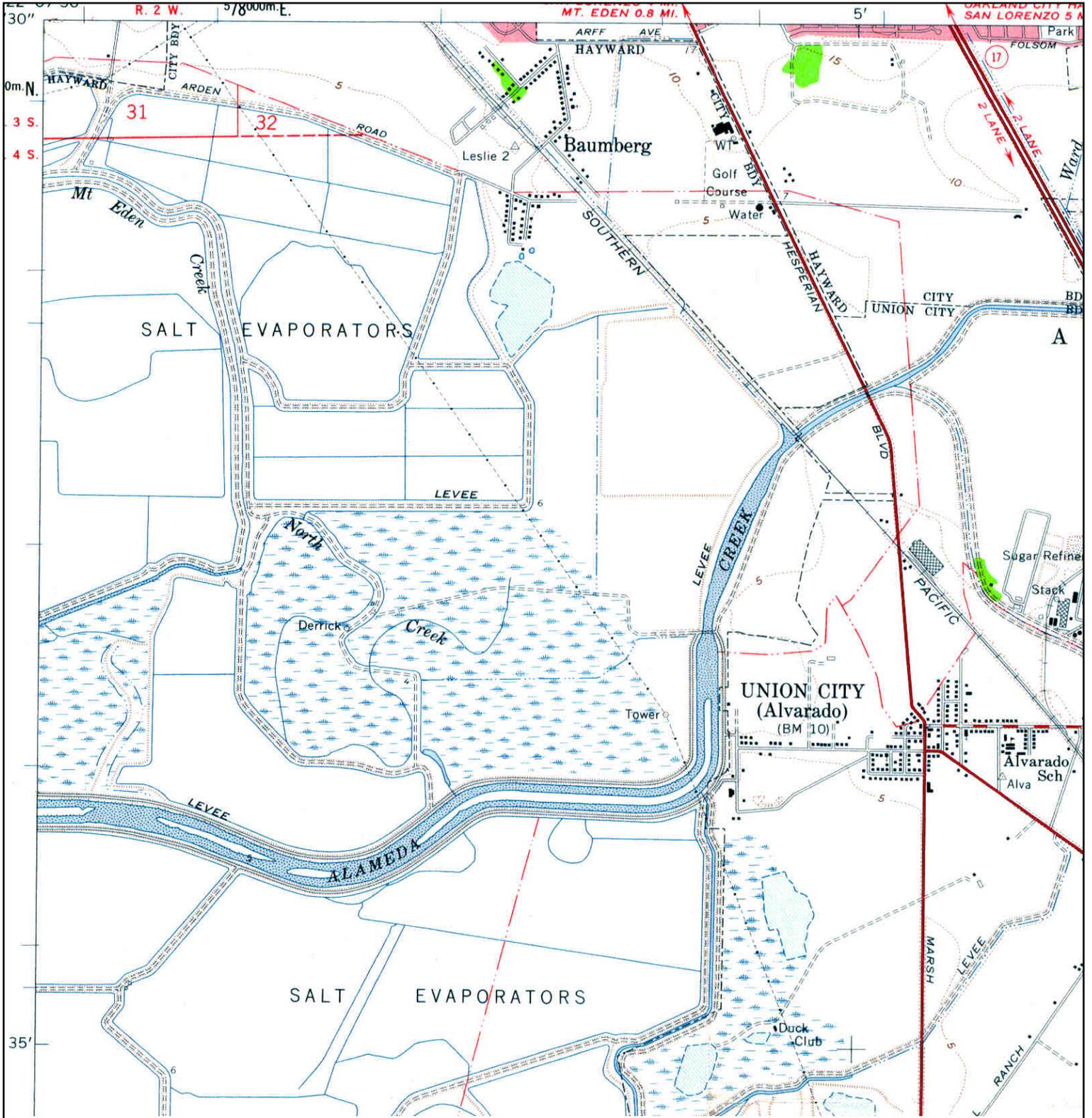
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	NAME:	SAN LEANDRO		CLIENT: Cornerstone Earth Group CONTACT: Brent Johnson INQUIRY#: 4253165.4 RESEARCH DATE: 04/03/2015
	MAP YEAR:	1948		
	SERIES:	7.5		
	SCALE:	1:24000		
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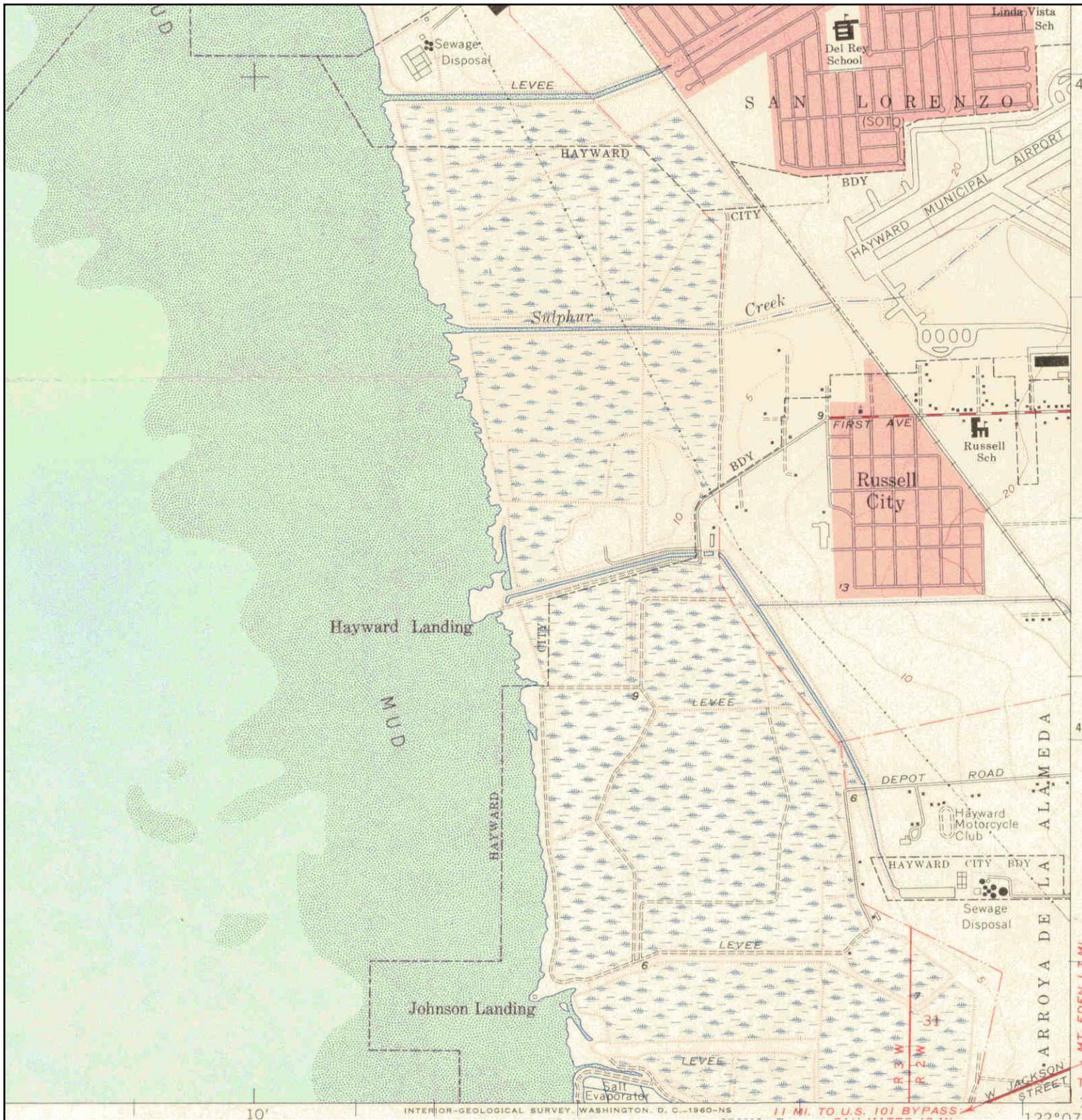
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	<b>NAME:</b> HAYWARD	<b>SITE NAME:</b> Former Oliver Salt Plant	
	<b>MAP YEAR:</b> 1950	<b>ADDRESS:</b> 4150 Point Eden Way Hayward, CA 94545	
	<b>SERIES:</b> 7.5	<b>LAT/LONG:</b> 37.6243 / -122.1304	
	<b>SCALE:</b> 1:24000		

# Historical Topographic Map



<b>N</b> 	<b>ADJOINING QUAD</b>		<b>CLIENT:</b> Cornerstone Earth Group	
	<b>NAME:</b> NEWARK	<b>SITE NAME:</b> Former Oliver Salt Plant		<b>CONTACT:</b> Brent Johnson
	<b>MAP YEAR:</b> 1959	<b>ADDRESS:</b> 4150 Point Eden Way Hayward, CA 94545		<b>INQUIRY#:</b> 4253165.4
	<b>SERIES:</b> 7.5	<b>LAT/LONG:</b> 37.6243 / -122.1304		<b>RESEARCH DATE:</b> 04/03/2015
	<b>SCALE:</b> 1:24000			

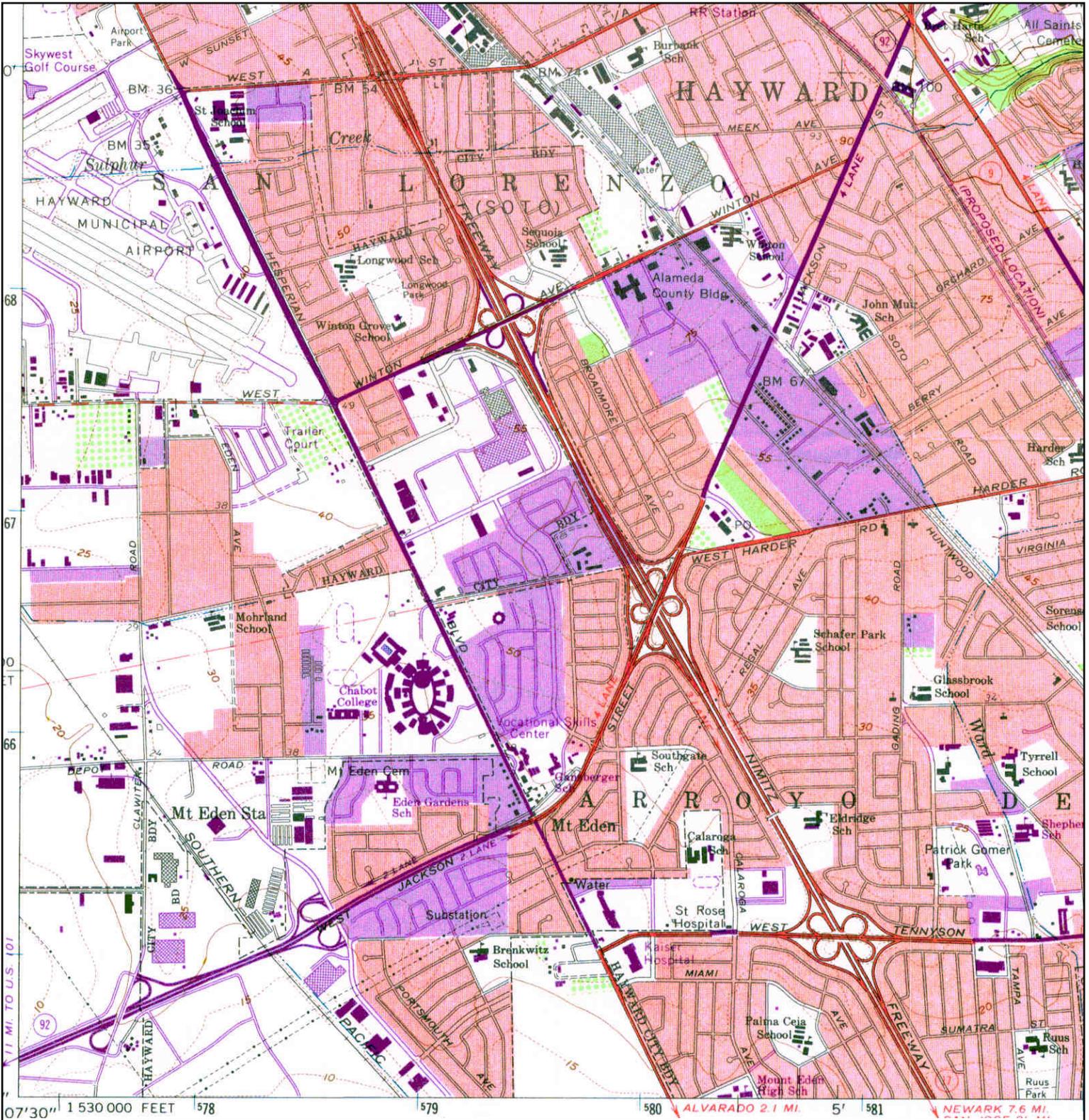
# Historical Topographic Map



	<b>ADJOINING QUAD</b>	<b>SITE NAME:</b> Former Oliver Salt Plant	<b>CLIENT:</b> Cornerstone Earth Group	
	<b>NAME:</b> SAN LEANDRO	<b>ADDRESS:</b> 4150 Point Eden Way	<b>CONTACT:</b> Brent Johnson	
	<b>MAP YEAR:</b> 1959	<b>LAT/LONG:</b> 37.6243 / -122.1304	<b>INQUIRY#:</b> 4253165.4	<b>RESEARCH DATE:</b> 04/03/2015
	<b>SERIES:</b> 7.5			
	<b>SCALE:</b> 1:24000			

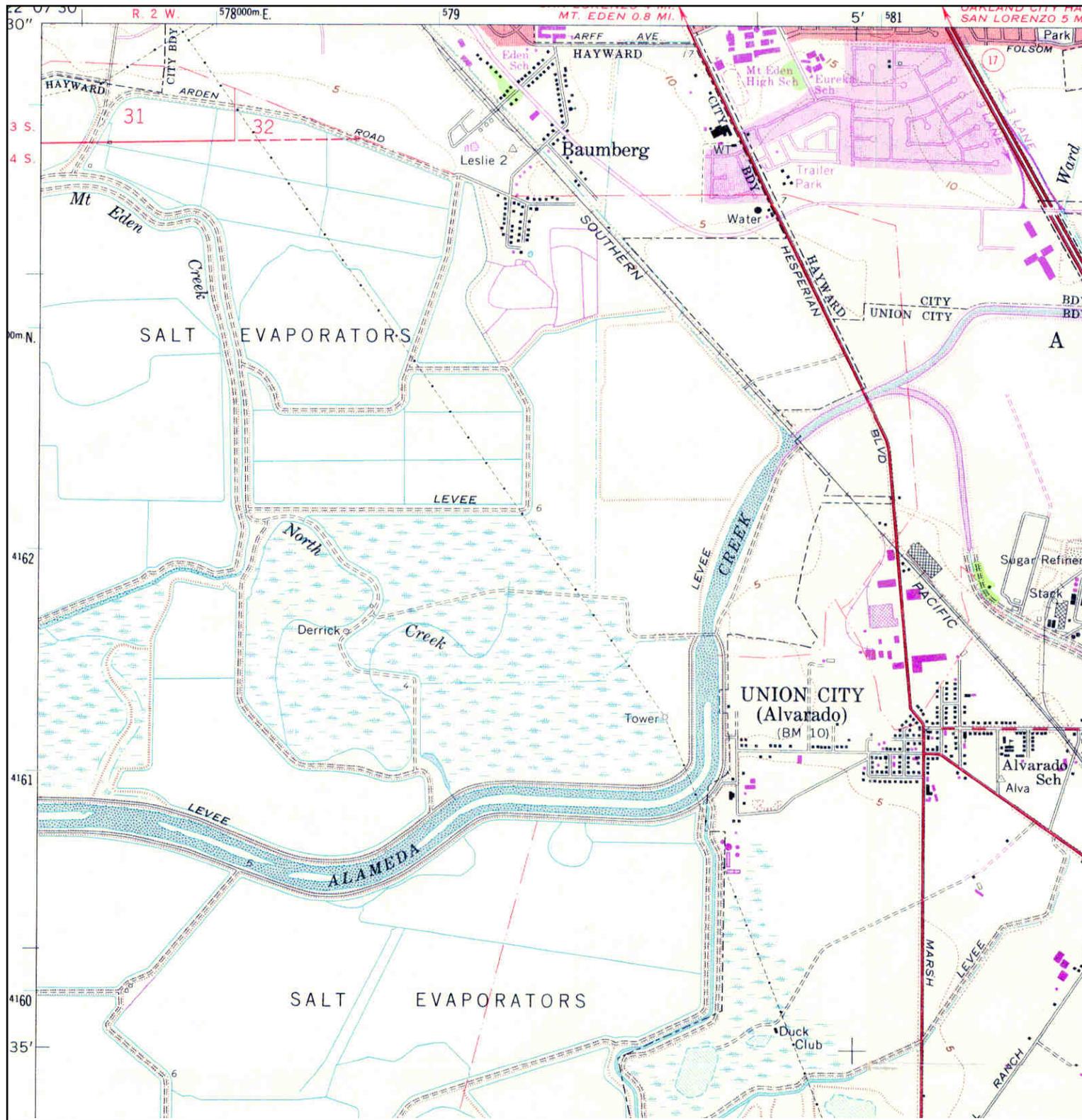


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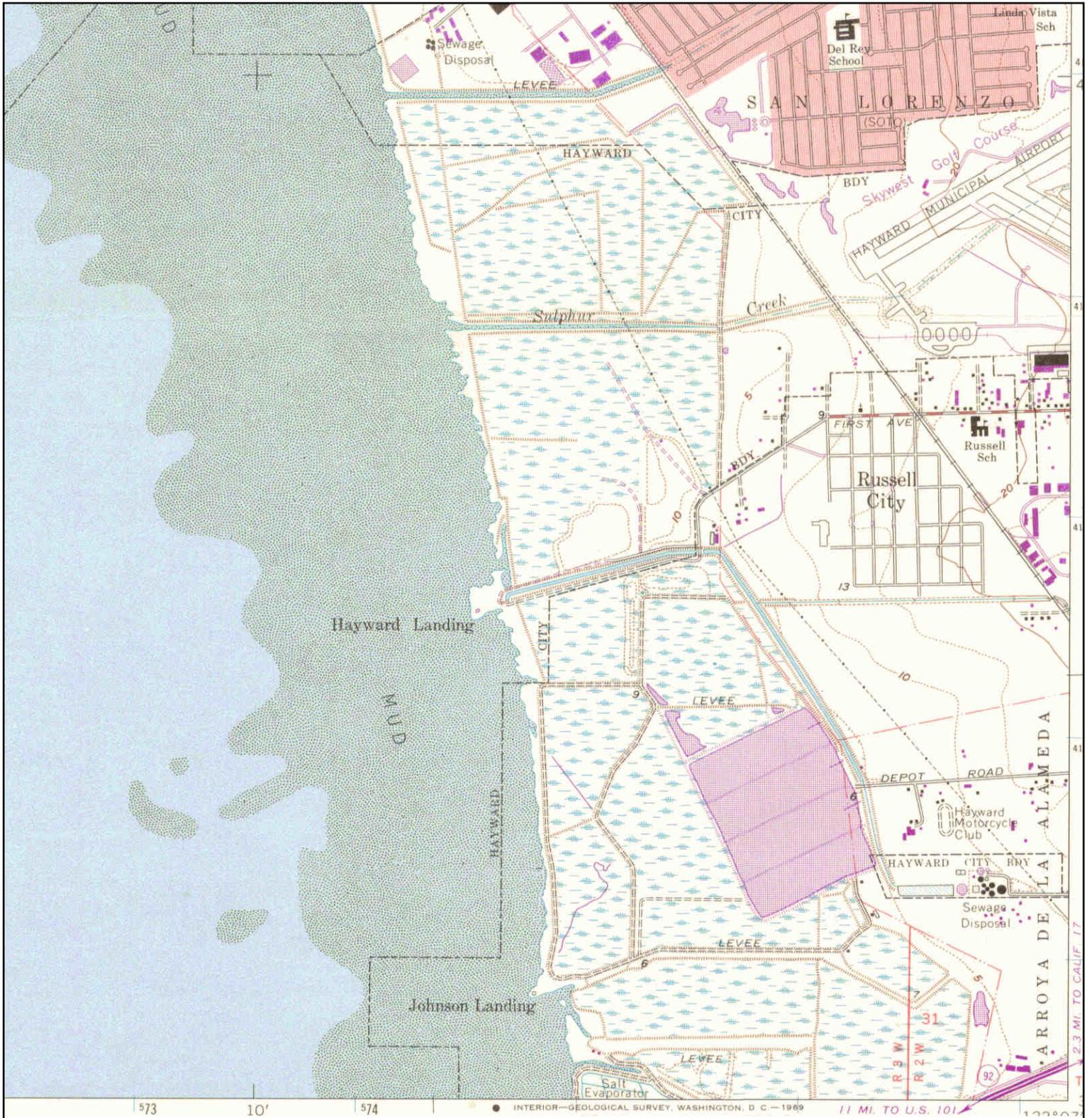
<p>N ↑</p>	<b>ADJOINING QUAD</b>	<b>SITE NAME:</b> Former Oliver Salt Plant	<b>CLIENT:</b> Cornerstone Earth Group
	NAME: HAYWARD	ADDRESS: 4150 Point Eden Way	CONTACT: Brent Johnson
	MAP YEAR: 1968	LAT/LONG: 37.6243 / -122.1304	INQUIRY#: 4253165.4
	PHOTOREVISED FROM :1959		RESEARCH DATE: 04/03/2015
	SERIES: 7.5		
	SCALE: 1:24000		

# Historical Topographic Map



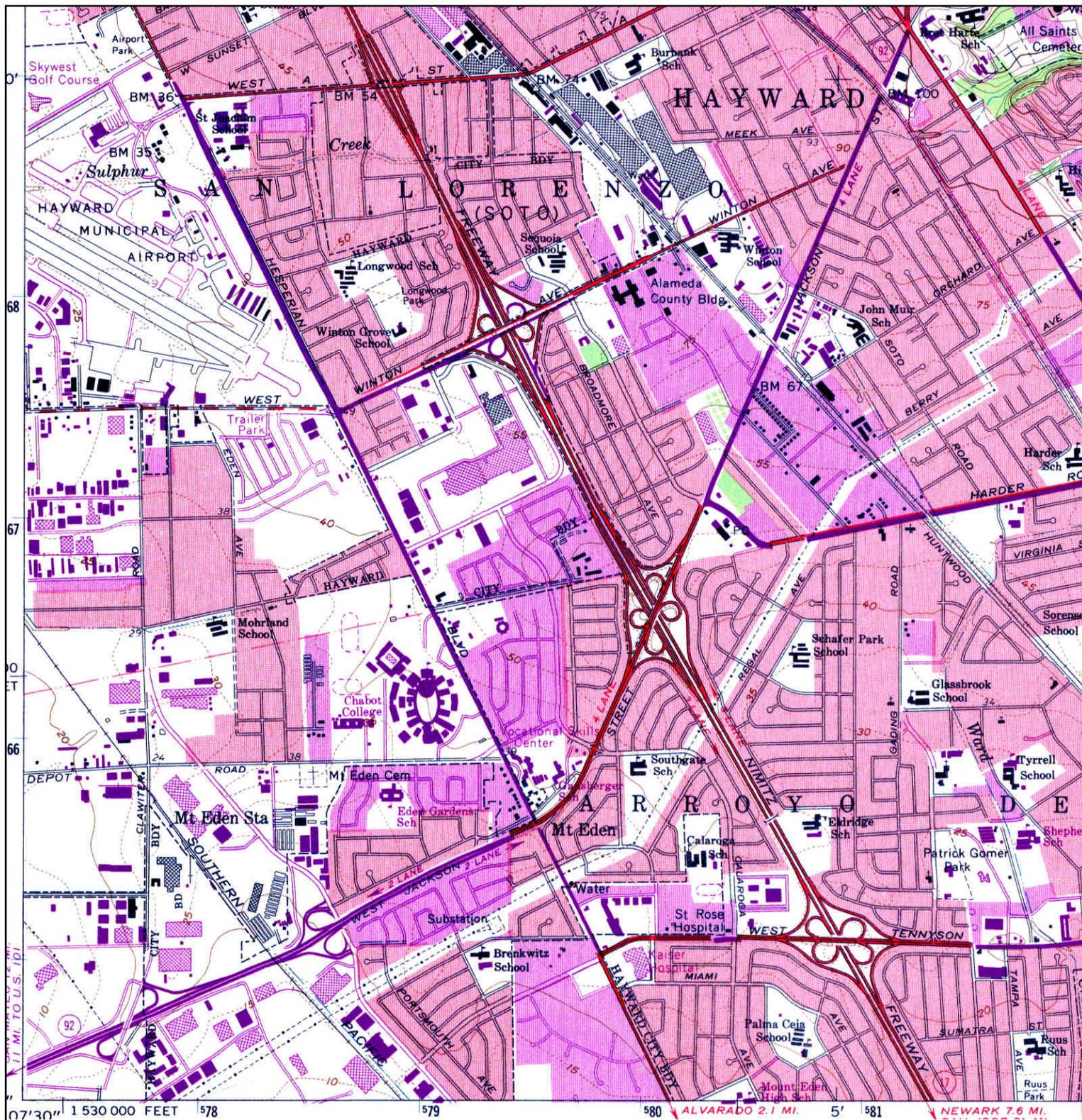
	<b>ADJOINING QUAD</b>	<b>SITE NAME:</b> Former Oliver Salt Plant	<b>CLIENT:</b> Cornerstone Earth Group
	NAME: NEWARK	<b>ADDRESS:</b> 4150 Point Eden Way	<b>CONTACT:</b> Brent Johnson
	MAP YEAR: 1968	Hayward, CA 94545	<b>INQUIRY#:</b> 4253165.4
	PHOTOREVISED FROM :1959	<b>LAT/LONG:</b> 37.6243 / -122.1304	<b>RESEARCH DATE:</b> 04/03/2015
	SERIES: 7.5		
	SCALE: 1:24000		

# Historical Topographic Map



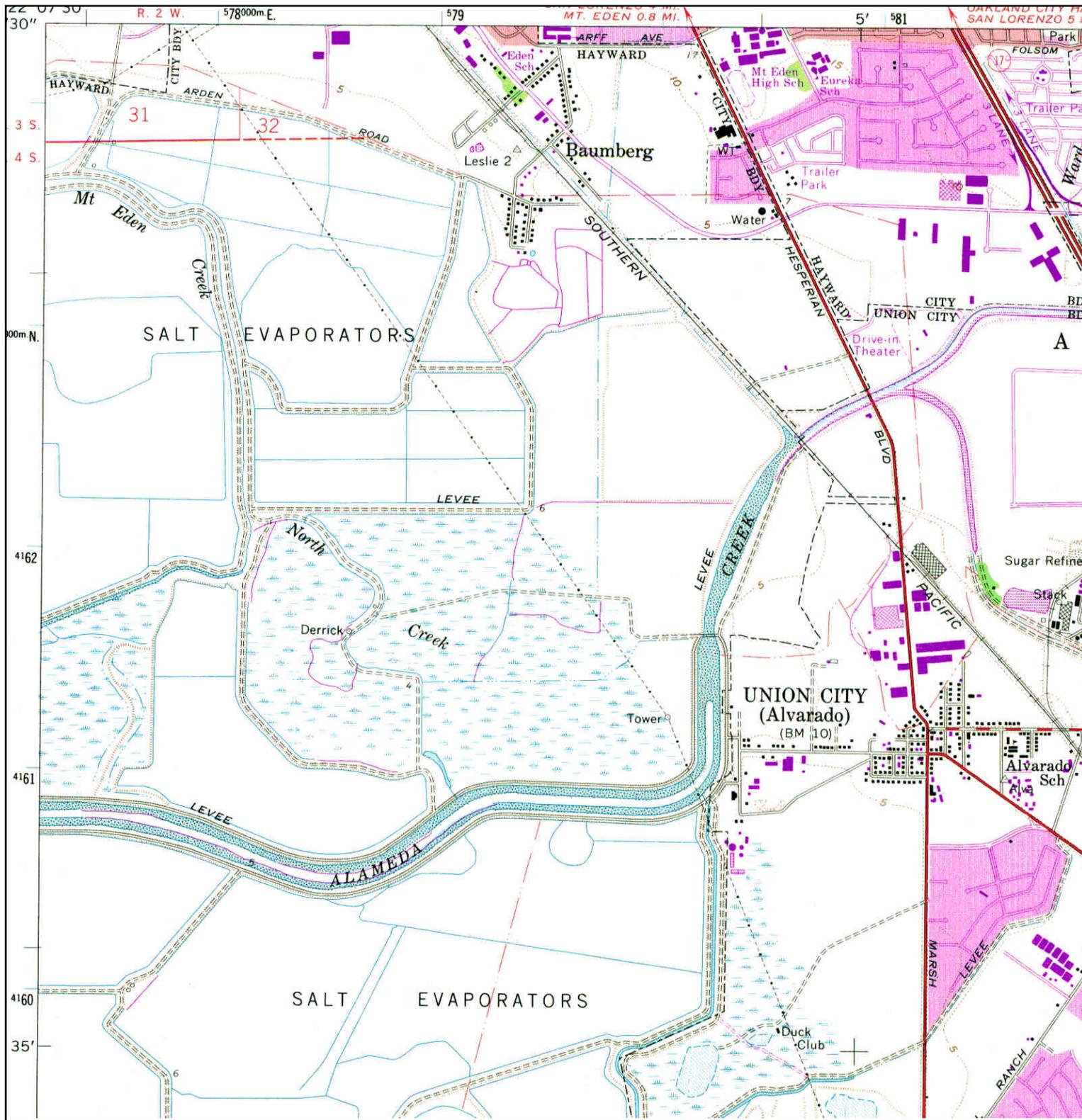
	<b>ADJOINING QUAD</b>	<b>SITE NAME:</b> Former Oliver Salt Plant	<b>CLIENT:</b> Cornerstone Earth Group
	NAME: SAN LEANDRO	<b>ADDRESS:</b> 4150 Point Eden Way	<b>CONTACT:</b> Brent Johnson
	MAP YEAR: 1968	Hayward, CA 94545	<b>INQUIRY#:</b> 4253165.4
	PHOTOREVISED FROM :1959	<b>LAT/LONG:</b> 37.6243 / -122.1304	<b>RESEARCH DATE:</b> 04/03/2015
	SERIES: 7.5		
	SCALE: 1:24000		

# Historical Topographic Map



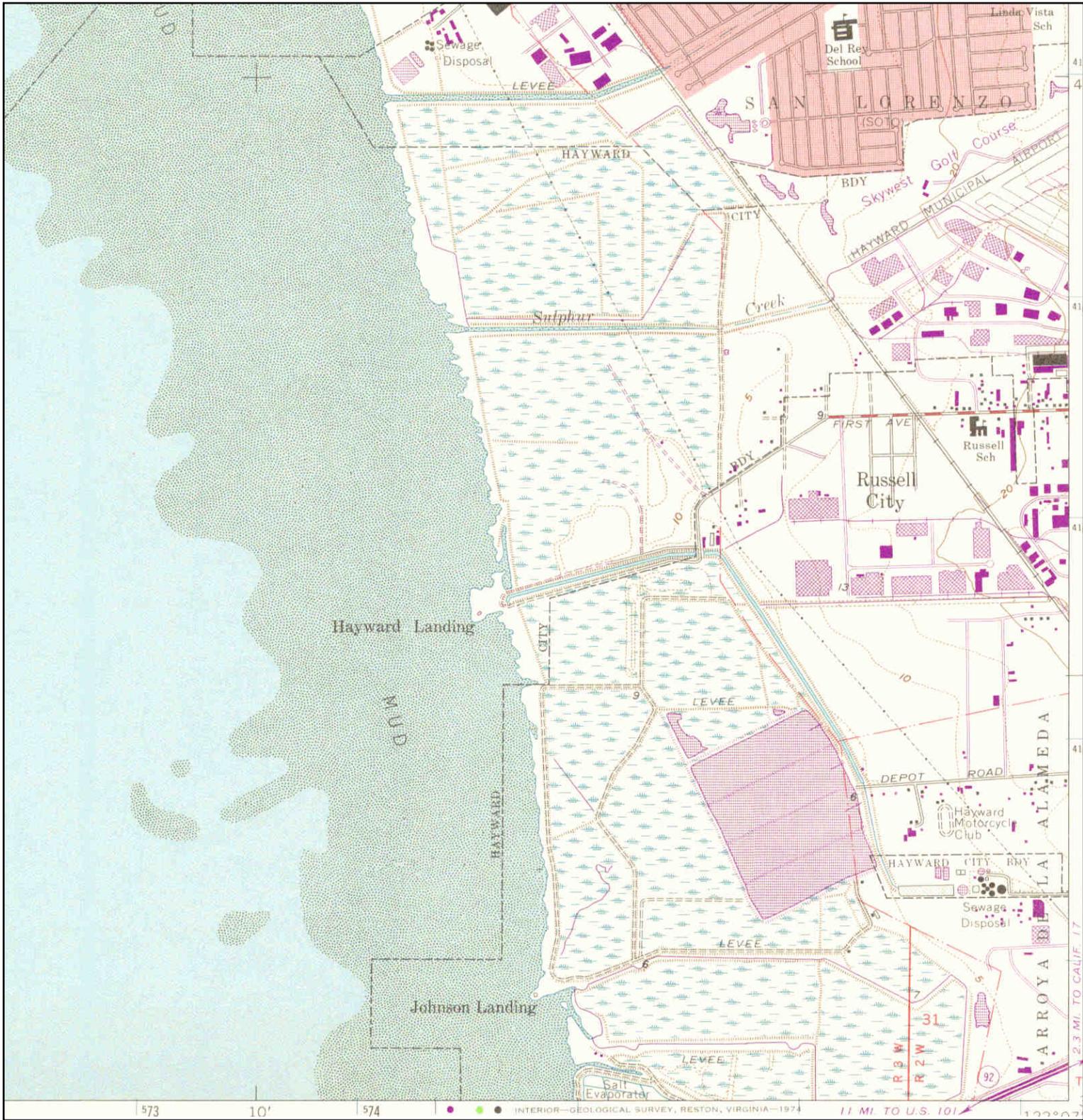
<p>N</p>	ADJOINING QUAD	SITE NAME:	CLIENT:
	NAME: HAYWARD	Former Oliver Salt Plant	Cornerstone Earth Group
	MAP YEAR: 1973	ADDRESS:	CONTACT: Brent Johnson
	PHOTOREVISED FROM :1959	4150 Point Eden Way	INQUIRY#: 4253165.4
	SERIES: 7.5	Hayward, CA 94545	RESEARCH DATE: 04/03/2015
	SCALE: 1:24000	LAT/LONG: 37.6243 / -122.1304	

# Historical Topographic Map



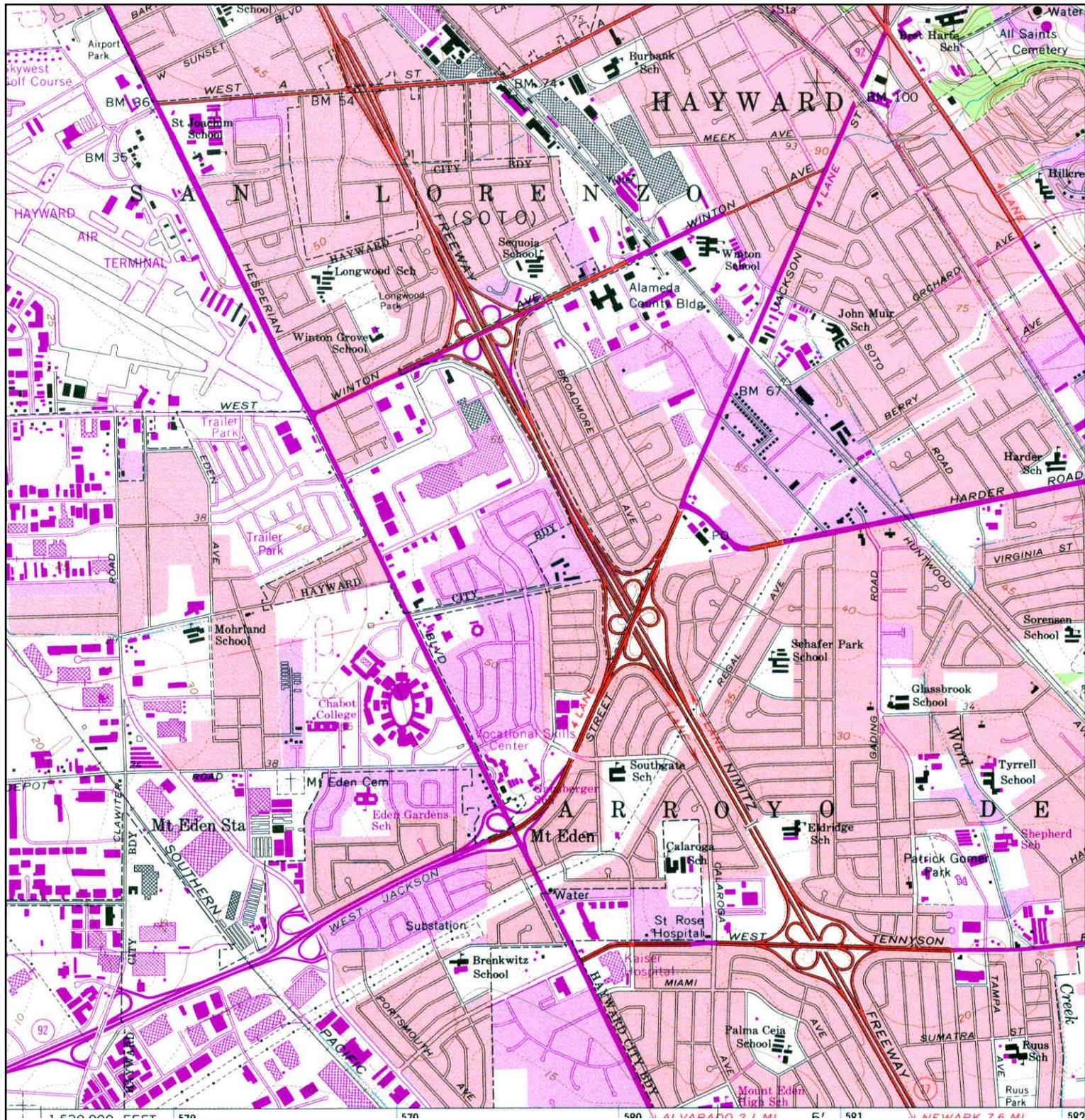
	<b>ADJOINING QUAD</b>	<b>SITE NAME:</b>	<b>CLIENT:</b>
	NAME: NEWARK	Former Oliver Salt Plant	Cornerstone Earth Group
	MAP YEAR: 1973	ADDRESS: 4150 Point Eden Way	CONTACT: Brent Johnson
	PHOTOREVISED FROM :1959	Hayward, CA 94545	INQUIRY#: 4253165.4
	SERIES: 7.5	LAT/LONG: 37.6243 / -122.1304	RESEARCH DATE: 04/03/2015
	SCALE: 1:24000		

# Historical Topographic Map



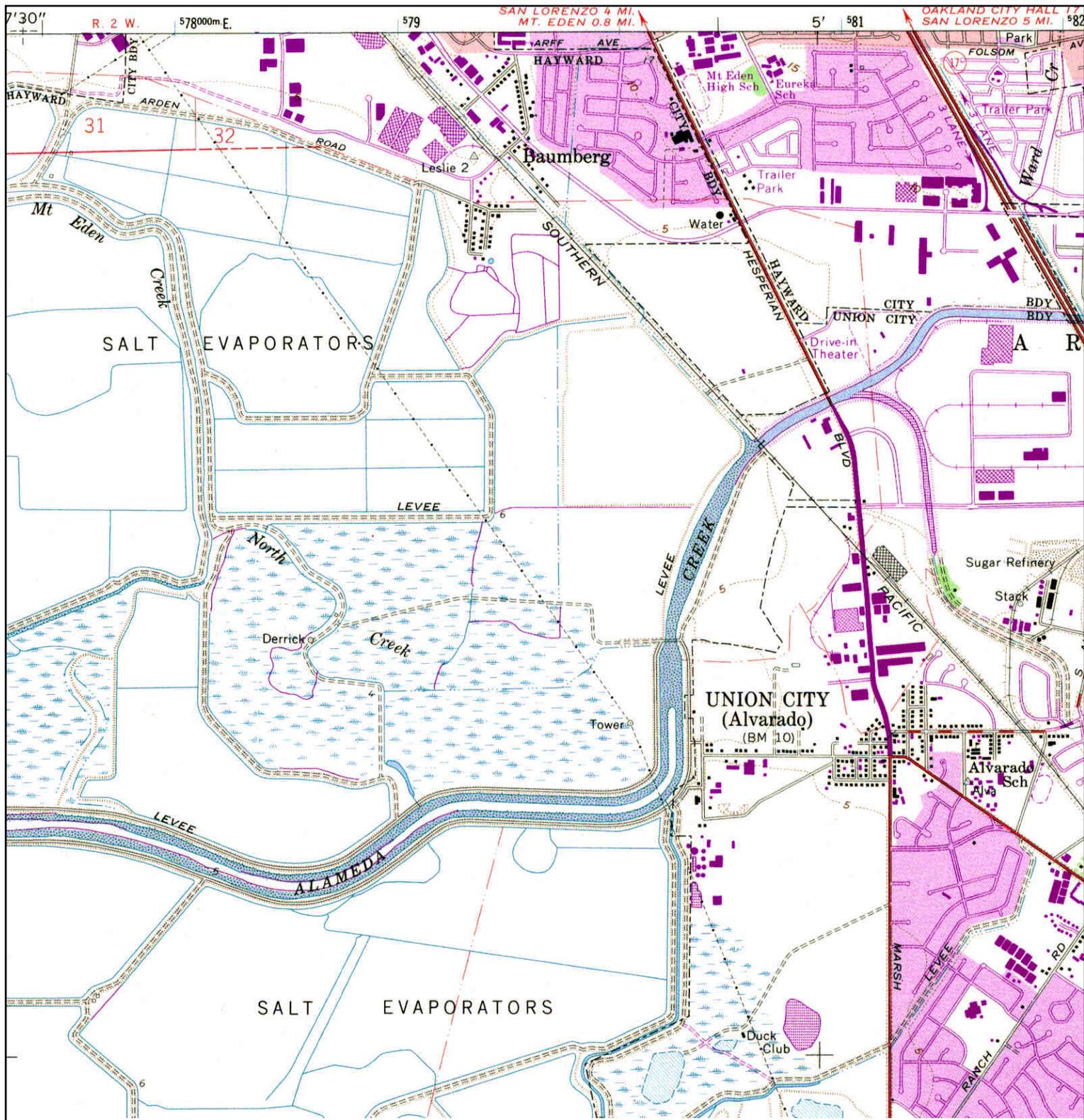
	<b>ADJOINING QUAD</b>	<b>SITE NAME:</b> Former Oliver Salt Plant	<b>CLIENT:</b> Cornerstone Earth Group
	NAME: SAN LEANDRO	<b>ADDRESS:</b> 4150 Point Eden Way	<b>CONTACT:</b> Brent Johnson
	MAP YEAR: 1973	Hayward, CA 94545	<b>INQUIRY#:</b> 4253165.4
	PHOTOREVISED FROM :1959	<b>LAT/LONG:</b> 37.6243 / -122.1304	<b>RESEARCH DATE:</b> 04/03/2015
	SERIES: 7.5		
SCALE: 1:24000			

# Historical Topographic Map



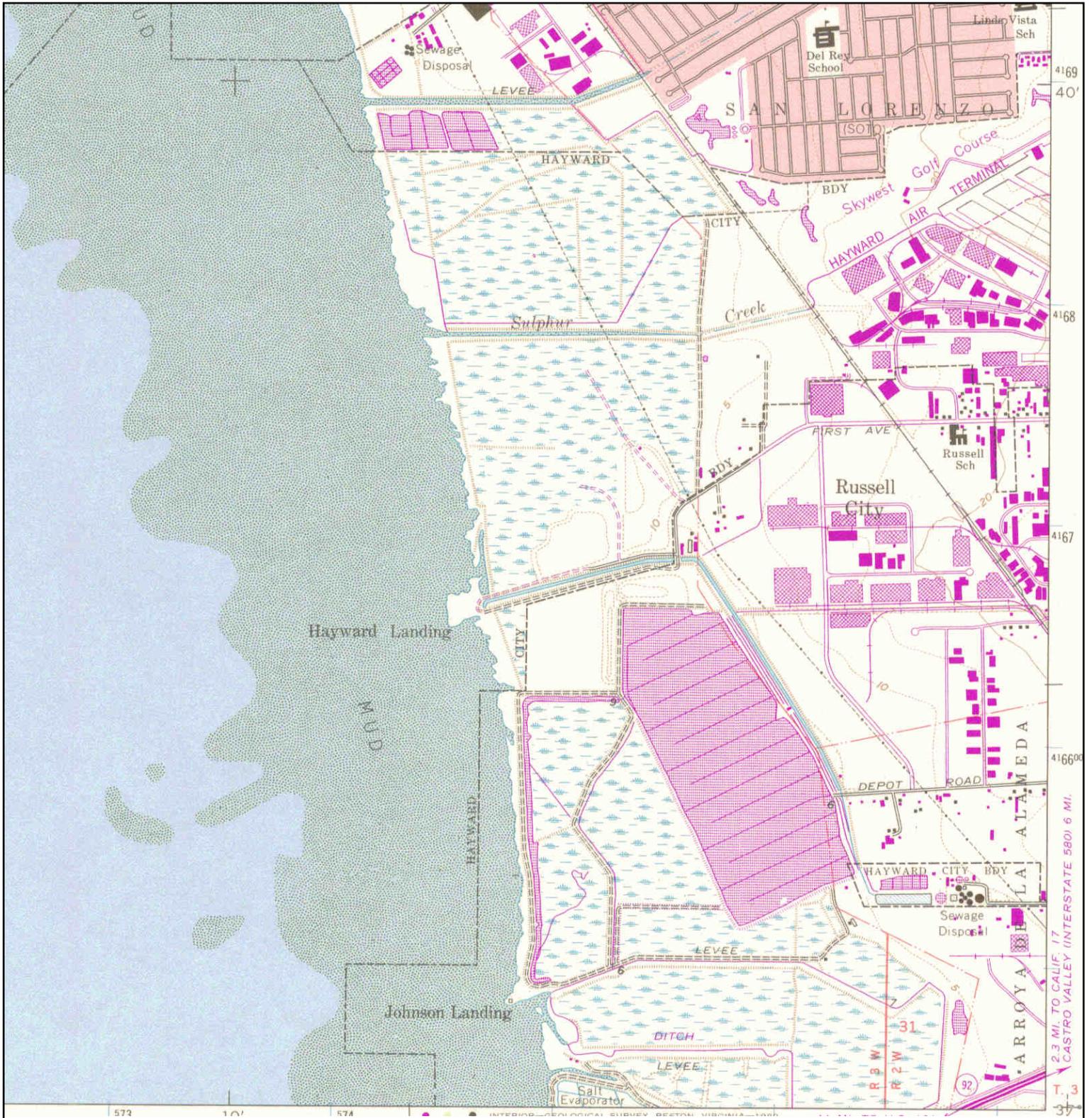
<p>N</p>	<b>ADJOINING QUAD</b>	<b>SITE NAME:</b> Former Oliver Salt Plant	<b>CLIENT:</b> Cornerstone Earth Group
	NAME: HAYWARD	ADDRESS: 4150 Point Eden Way	CONTACT: Brent Johnson
	MAP YEAR: 1980	ADDRESS: Hayward, CA 94545	INQUIRY#: 4253165.4
	PHOTOREVISED FROM :1959	LAT/LONG: 37.6243 / -122.1304	RESEARCH DATE: 04/03/2015
	SERIES: 7.5		
	SCALE: 1:24000		

# Historical Topographic Map



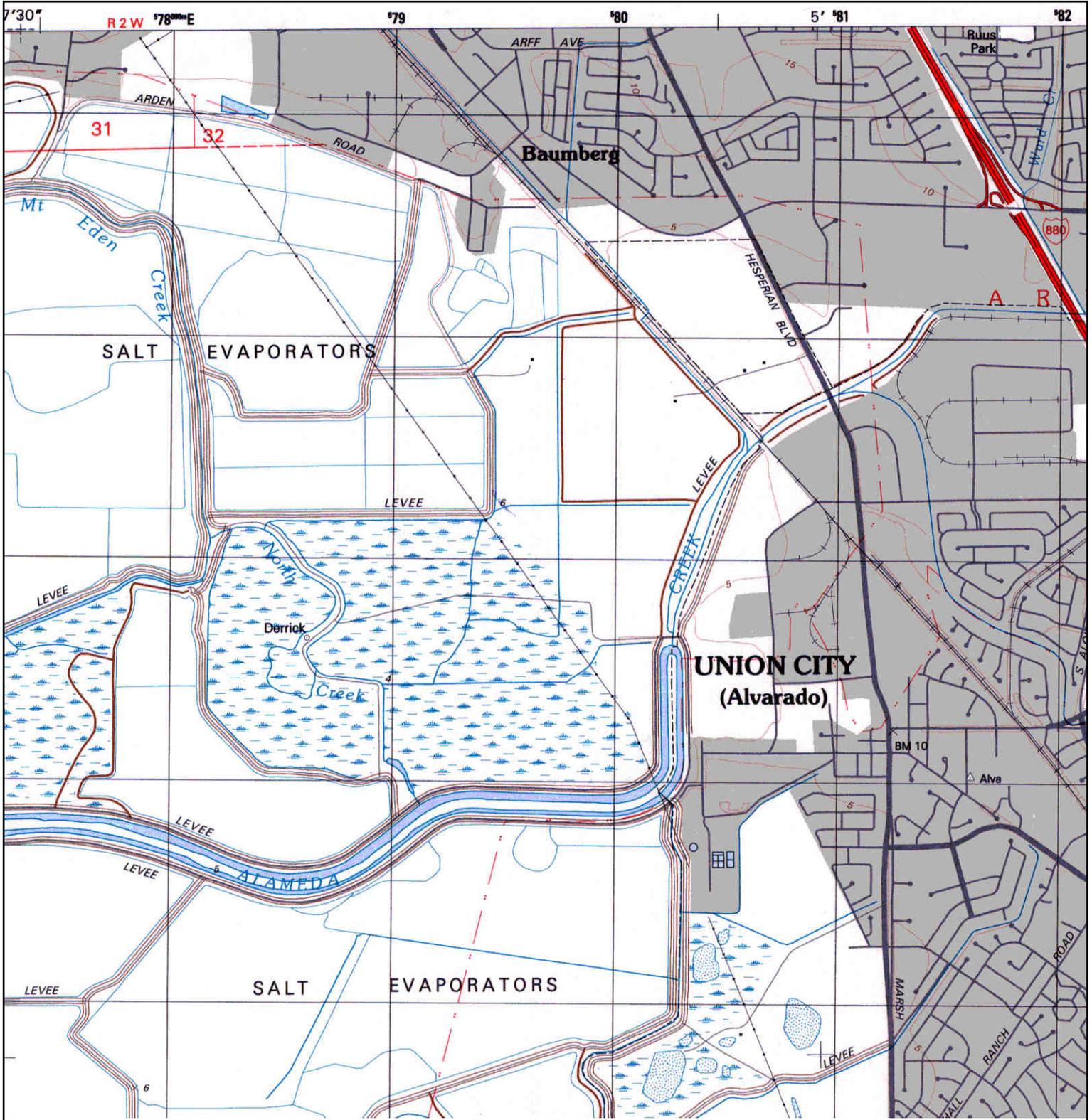
	<b>ADJOINING QUAD</b>	<b>SITE NAME:</b> Former Oliver Salt Plant	<b>CLIENT:</b> Cornerstone Earth Group
	NAME: NEWARK	<b>ADDRESS:</b> 4150 Point Eden Way	<b>CONTACT:</b> Brent Johnson
	MAP YEAR: 1980	Hayward, CA 94545	<b>INQUIRY#:</b> 4253165.4
	PHOTOREVISED FROM :1959	<b>LAT/LONG:</b> 37.6243 / -122.1304	<b>RESEARCH DATE:</b> 04/03/2015
	SERIES: 7.5		
	SCALE: 1:24000		

# Historical Topographic Map



	<b>ADJOINING QUAD</b>		
	NAME: SAN LEANDRO	SITE NAME: Former Oliver Salt Plant	CLIENT: Cornerstone Earth Group
	MAP YEAR: 1980	ADDRESS: 4150 Point Eden Way	CONTACT: Brent Johnson
	PHOTOREVISED FROM :1959	LAT/LONG: 37.6243 / -122.1304	INQUIRY#: 4253165.4
	SERIES: 7.5		RESEARCH DATE: 04/03/2015
SCALE: 1:24000			

# Historical Topographic Map



	<b>ADJOINING QUAD</b>		<b>CLIENT:</b> Cornerstone Earth Group	
	<b>NAME:</b> NEWARK	<b>SITE NAME:</b> Former Oliver Salt Plant		<b>CONTACT:</b> Brent Johnson
	<b>MAP YEAR:</b> 1993	<b>ADDRESS:</b> 4150 Point Eden Way Hayward, CA 94545		<b>INQUIRY#:</b> 4253165.4
	<b>SERIES:</b> 7.5	<b>LAT/LONG:</b> 37.6243 / -122.1304		<b>RESEARCH DATE:</b> 04/03/2015
	<b>SCALE:</b> 1:24000			

# Historical Topographic Map



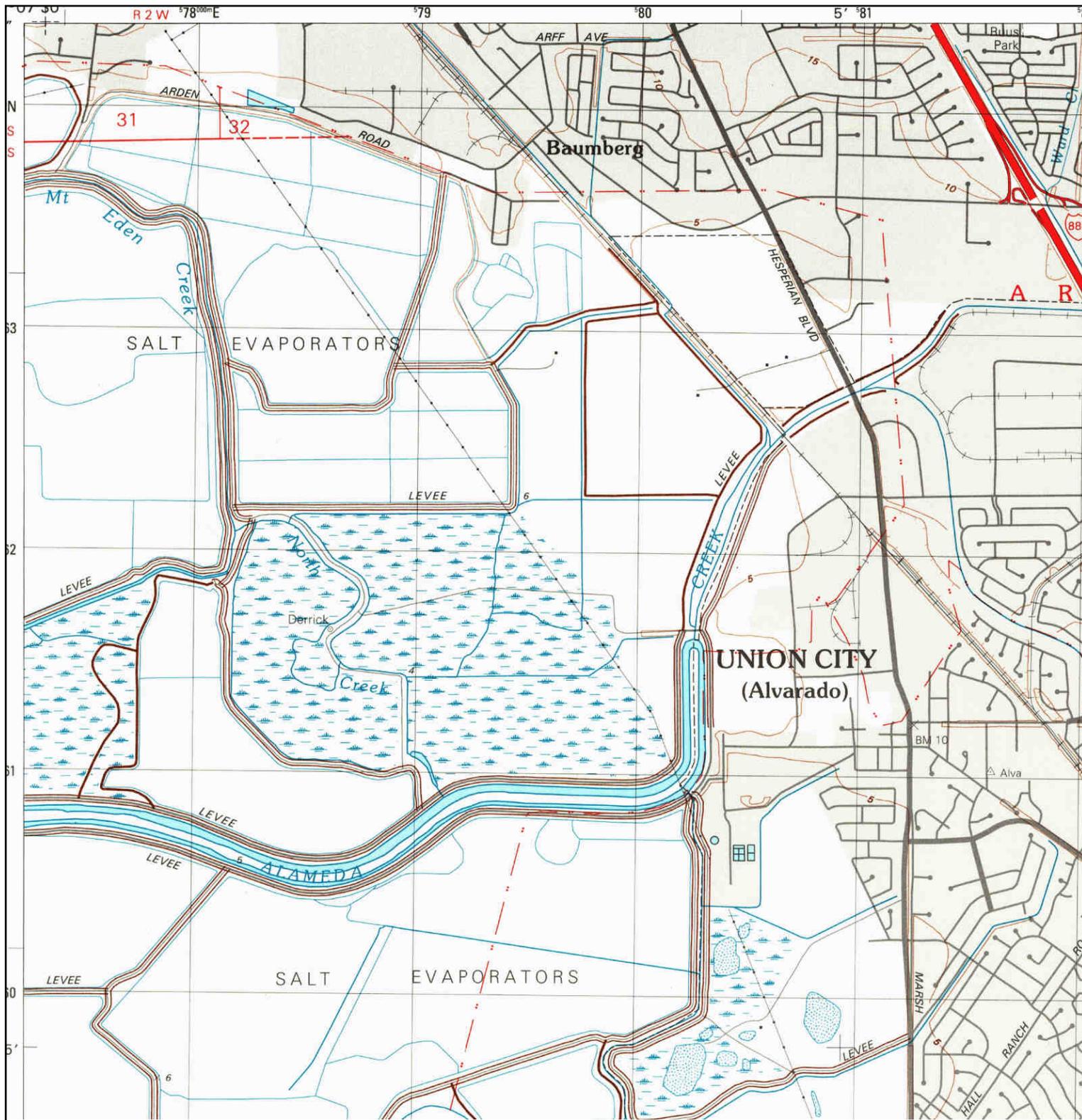
	<b>ADJOINING QUAD</b>	<b>SITE NAME:</b> Former Oliver Salt Plant	<b>CLIENT:</b> Cornerstone Earth Group	
	<b>NAME:</b> SAN LEANDRO	<b>ADDRESS:</b> 4150 Point Eden Way	<b>CONTACT:</b> Brent Johnson	
	<b>MAP YEAR:</b> 1993	<b>LAT/LONG:</b> 37.6243 / -122.1304	<b>INQUIRY#:</b> 4253165.4	<b>RESEARCH DATE:</b> 04/03/2015
	<b>SERIES:</b> 7.5			
	<b>SCALE:</b> 1:24000			

# Historical Topographic Map



<b>N</b> 	<b>ADJOINING QUAD</b>	<b>SITE NAME:</b>	<b>CLIENT:</b>
	NAME: HAYWARD	Former Oliver Salt Plant	Cornerstone Earth Group
	MAP YEAR: 1993	ADDRESS: 4150 Point Eden Way Hayward, CA 94545	CONTACT: Brent Johnson
	SERIES: 7.5	LAT/LONG: 37.6243 / -122.1304	INQUIRY#: 4253165.4
	SCALE: 1:24000		RESEARCH DATE: 04/03/2015

# Historical Topographic Map



	<b>ADJOINING QUAD</b>	<b>SITE NAME:</b> Former Oliver Salt Plant	<b>CLIENT:</b> Cornerstone Earth Group
	<b>NAME:</b> NEWARK	<b>ADDRESS:</b> 4150 Point Eden Way	<b>CONTACT:</b> Brent Johnson
	<b>MAP YEAR:</b> 1997	<b>LAT/LONG:</b> 37.6243 / -122.1304	<b>INQUIRY#:</b> 4253165.4
	<b>SERIES:</b> 7.5		<b>RESEARCH DATE:</b> 04/03/2015
	<b>SCALE:</b> 1:24000		



**Former Oliver Salt Plant**

4150 Point Eden Way

Hayward, CA 94545

Inquiry Number: 4253165.3

April 02, 2015

## Certified Sanborn® Map Report



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

# Certified Sanborn® Map Report

4/02/15

**Site Name:**

Former Oliver Salt Plant  
4150 Point Eden Way  
Hayward, CA 94545

**Client Name:**

Cornerstone Earth Group  
1259 Oakmead Parkway  
Sunnyvale, CA 94085



EDR Inquiry # 4253165.3

Contact: Brent Johnson

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The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

## Certified Sanborn Results:

**Site Name:** Former Oliver Salt Plant  
**Address:** 4150 Point Eden Way  
**City, State, Zip:** Hayward, CA 94545  
**Cross Street:**  
**P.O. #** NA  
**Project:** Former Oliver Salt Plant  
**Certification #** CEC5-4041-9BBE



Sanborn® Library search results  
Certification # CEC5-4041-9BBE

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

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

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

*The Sanborn Library LLC Since 1866™*

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## APPENDIX D – LOCAL STREET DIRECTORY SEARCH RESULTS

**Former Oliver Salt Plant**

4150 Point Eden Way  
Hayward, CA 94545

Inquiry Number: 4253165.5  
April 02, 2015

# The EDR-City Directory Abstract

## TABLE OF CONTENTS

### SECTION

Executive Summary

Findings

City Directory Images

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

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## EXECUTIVE SUMMARY

### DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2013. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

### RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
2013	Cole Information Services	-	X	X	-
2008	Cole Information Services	-	X	X	-
2006	Haines Company, Inc.	-	-	-	-
2002	Haines	-	X	X	-
	R. L. Polk & Co.	-	X	X	-
2000	Pacific Bell	-	-	-	-
1996	PACIFIC BELL DIRECTORY	-	-	-	-
1993	Pacific Bell	-	-	-	-
1992	PACIFIC BELL DIRECTORY	-	X	X	-
1991	PACIFIC BELL WHITE PAGES	-	-	-	-
1986	PACIFIC BELL WHITE PAGES	-	X	X	-
1984	Pacific Bell	-	-	-	-
1982	Pacific Telephone	X	X	X	-
1980	Pacific Telephone	-	-	-	-
1979	Pacific Telephone	X	X	X	-
1976	R. L. Polk & Co.	-	X	X	-
1975	Pacific Telephone	-	-	-	-
1973	Pacific Telephone	-	X	X	-
1970	Pacific Telephone and Telegraph Co	-	-	-	-
1967	R. L. Polk Co.	-	-	-	-
1965	Pacific Telephone	-	-	-	-
1962	Pacific Telephone	-	-	-	-
1960	Pacific Telephone	-	-	-	-
1959	R. L. Polk & Co.	-	-	-	-
1956	Pacific Telephone	-	-	-	-

## EXECUTIVE SUMMARY

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
1955	R. L. Polk & Co.	-	-	-	-
1954	R. L. Polk & Co. of California	-	-	-	-
1951	R. L. Polk & Co.	-	-	-	-
1950	The Pacific Telephone & Telegraph Co.	-	-	-	-
1946	R. L. Polk & Co.	-	-	-	-
1945	The Pacific Telephone & Telegraph Co.	-	-	-	-
1943	R. L. Polk & Co.	-	-	-	-
1940	R. L. Polk & Co.	-	-	-	-
1938	Pacific Telephone	-	-	-	-
1933	R. L. Polk & Co. of California	-	-	-	-
1932	R. L. Polk & Co. of California	-	-	-	-
1928	R. L. Polk & Co. of California	-	-	-	-
1926	R. L. Polk & Co.	-	-	-	-
1925	The Pacific Telephone & Telegraph Co.	-	-	-	-
1920	R. L. Polk & Co. of California	-	-	-	-

# FINDINGS

## TARGET PROPERTY INFORMATION

### ADDRESS

4150 Point Eden Way  
Hayward, CA 94545

### FINDINGS DETAIL

Target Property research detail.

## POINT EDEN WAY

### 4150 POINT EDEN WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1982	BALCITA GEORGE P HAYWARD	Pacific Telephone
1979	BALCITA GEORGE P	Pacific Telephone

## FINDINGS

### ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

### BREAKWATER AVE

#### 4125 BREAKWATER AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	EZ MIX	Cole Information Services
	UNITED RENTALS	Cole Information Services
	UNITED RENTALS PUMPS POWER HVAC	Cole Information Services
	ALFREDOS CONCRETE PUMPING	Cole Information Services
2008	SHEDCO	Cole Information Services
	UNITED RENTALS TRENCH SAFETY LLP	Cole Information Services
	TSM GENERAL BUILDING CONTRACTING	Cole Information Services
1992	TSM GENERAL BUILDING CONTRACTORS	PACIFIC BELL DIRECTORY
	A 1 RAIN GUTTERS & ROOFING SYSTEMS	PACIFIC BELL DIRECTORY
	WATERTIGHT INC	PACIFIC BELL DIRECTORY
	D & E STEELPLATE RENTAL INC	PACIFIC BELL DIRECTORY
	PULIDOS CABINETS	PACIFIC BELL DIRECTORY
	TILE & INTERIORS INC	PACIFIC BELL DIRECTORY
1982	BLS CORP HAYWARD	Pacific Telephone
	CVS RAILROAD EQUIPMENT & SUPPLY INC HAYWARD	Pacific Telephone
	E Z GO TEXTRON HAYWARD	Pacific Telephone
	NICK TESSE GENERAL CONTRACTOR HAYWARD	Pacific Telephone
1979	E Z GO TEXTRON	Pacific Telephone
1976	BAYSIHORE LIVESTOCK AUCTION	R. L. Polk & Co.
	CC FEED & PET SUPPLIES	R. L. Polk & Co.

#### 4319 BREAKWATER AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	XXXX	R. L. Polk & Co.
	XXXX	Haines

## FINDINGS

### 4321 BREAKWATER AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	PINNACLE	Haines
	PINNACLE	R. L. Polk & Co.
1992	FIGONE ROBERT S EQUIPMENT CO	PACIFIC BELL DIRECTORY
1982	FUTURE CONSTRUCTION CO HAYWARD	Pacific Telephone
1976	FUTURE CONSTRUCTION CO	R. L. Polk & Co.
	Future Construction Co bldg contr	R. L. Polk & Co.
1973	FUTURE CONSTRUCTION CO	Pacific Telephone

### BREAKWATER DR

#### 4125 BREAKWATER DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1982	HOLSTEIN S CUSTOM BOATS HAYWARD	Pacific Telephone
	HOLSTEIN AUTO BODY HAYWARD	Pacific Telephone
1973	KULP S AUCTION	Pacific Telephone

### POINT EDEN WAY

#### 4030 POINT EDEN WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	PIONEER HIBRED	Cole Information Services
	PIONEER	Cole Information Services
2002	XXXX	R. L. Polk & Co.
	XXXX	Haines

#### 4120 POINT EDEN WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	MSAS GLOBAL	Cole Information Services
2008	NOVO NORDISK DELIVERY TECHNOLOGIES I	Cole Information Services
	EXEL PLC	Cole Information Services
	EXEL GLOBAL LOGISTICS	Cole Information Services
2002	MSAS CAR 0 O	R. L. Polk & Co.
	INTERNATIONAL MSAS GLOBAL	R. L. Polk & Co.
	INTERNATIONAL	Haines
	MSAS CAR 0 O	Haines
	MSAS GLOBAL	Haines

## FINDINGS

### 4142 POINT EDEN WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	HARBOB PRINTING	Haines
	HARBOB PRINTING	R. L. Polk & Co.
1992	MODEM QANTEL BUSINESS SYSTEMS INC	PACIFIC BELL DIRECTORY
	FAX TELEX QANTEL BUSINESS SYSTEMS INC	PACIFIC BELL DIRECTORY
	FAX QANTEL BUSINESS SYSTEMS INC	PACIFIC BELL DIRECTORY
	FAX QANTEL BUSINESS SYSTEMS INC	PACIFIC BELL DIRECTORY
	FAX QANTEL BUSINESS SYSTEMS INC	PACIFIC BELL DIRECTORY
	FAX QANTEL BUSINESS SYSTEMS INC	PACIFIC BELL DIRECTORY
1986	Qasem Qasem S	PACIFIC BELL WHITE PAGES
	Qantel Corporation bus computers	PACIFIC BELL WHITE PAGES
1982	DELTA BUSINESS COMPUTING INC HAYWARD	Pacific Telephone
	QANTEL CORPORATION BUS COMPUTERS HAYWARD	Pacific Telephone

## FINDINGS

### TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

#### Address Researched

4150 Point Eden Way

#### Address Not Identified in Research Source

2013, 2008, 2006, 2002, 2000, 1996, 1993, 1992, 1991, 1986, 1984, 1980, 1976, 1975, 1973, 1970, 1967, 1965, 1962, 1960, 1959, 1956, 1955, 1954, 1951, 1950, 1946, 1945, 1943, 1940, 1938, 1933, 1932, 1928, 1926, 1925, 1920

### ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

#### Address Researched

4030 POINT EDEN WAY

#### Address Not Identified in Research Source

2008, 2006, 2002, 2000, 1996, 1993, 1992, 1991, 1986, 1984, 1982, 1980, 1979, 1976, 1975, 1973, 1970, 1967, 1965, 1962, 1960, 1959, 1956, 1955, 1954, 1951, 1950, 1946, 1945, 1943, 1940, 1938, 1933, 1932, 1928, 1926, 1925, 1920

4030 POINT EDEN WAY

2013, 2008, 2006, 2000, 1996, 1993, 1992, 1991, 1986, 1984, 1982, 1980, 1979, 1976, 1975, 1973, 1970, 1967, 1965, 1962, 1960, 1959, 1956, 1955, 1954, 1951, 1950, 1946, 1945, 1943, 1940, 1938, 1933, 1932, 1928, 1926, 1925, 1920

4120 POINT EDEN WAY

2013, 2008, 2006, 2000, 1996, 1993, 1992, 1991, 1986, 1984, 1982, 1980, 1979, 1976, 1975, 1973, 1970, 1967, 1965, 1962, 1960, 1959, 1956, 1955, 1954, 1951, 1950, 1946, 1945, 1943, 1940, 1938, 1933, 1932, 1928, 1926, 1925, 1920

4120 POINT EDEN WAY

2006, 2002, 2000, 1996, 1993, 1992, 1991, 1986, 1984, 1982, 1980, 1979, 1976, 1975, 1973, 1970, 1967, 1965, 1962, 1960, 1959, 1956, 1955, 1954, 1951, 1950, 1946, 1945, 1943, 1940, 1938, 1933, 1932, 1928, 1926, 1925, 1920

4125 BREAKWATER AVE

2006, 2002, 2000, 1996, 1993, 1992, 1991, 1986, 1984, 1982, 1980, 1979, 1976, 1975, 1973, 1970, 1967, 1965, 1962, 1960, 1959, 1956, 1955, 1954, 1951, 1950, 1946, 1945, 1943, 1940, 1938, 1933, 1932, 1928, 1926, 1925, 1920

4125 BREAKWATER AVE

2013, 2008, 2006, 2002, 2000, 1996, 1993, 1991, 1986, 1984, 1980, 1975, 1973, 1970, 1967, 1965, 1962, 1960, 1959, 1956, 1955, 1954, 1951, 1950, 1946, 1945, 1943, 1940, 1938, 1933, 1932, 1928, 1926, 1925, 1920

4125 BREAKWATER DR

2013, 2008, 2006, 2002, 2000, 1996, 1993, 1992, 1991, 1986, 1984, 1980, 1979, 1976, 1975, 1970, 1967, 1965, 1962, 1960, 1959, 1956, 1955, 1954, 1951, 1950, 1946, 1945, 1943, 1940, 1938, 1933, 1932, 1928, 1926, 1925, 1920

4142 POINT EDEN WAY

2013, 2008, 2006, 2000, 1996, 1993, 1991, 1984, 1980, 1979, 1976, 1975, 1973, 1970, 1967, 1965, 1962, 1960, 1959, 1956, 1955, 1954, 1951, 1950, 1946, 1945, 1943, 1940, 1938, 1933, 1932, 1928, 1926, 1925, 1920

4319 BREAKWATER AVE

2013, 2008, 2006, 2000, 1996, 1993, 1992, 1991, 1986, 1984, 1982, 1980, 1979, 1976, 1975, 1973, 1970, 1967, 1965, 1962, 1960, 1959, 1956, 1955, 1954, 1951, 1950, 1946, 1945, 1943, 1940, 1938, 1933, 1932, 1928, 1926, 1925, 1920

4321 BREAKWATER AVE

2013, 2008, 2006, 2000, 1996, 1993, 1991, 1986, 1984, 1980, 1979, 1975, 1970, 1967, 1965, 1962, 1960, 1959, 1956, 1955, 1954, 1951, 1950, 1946, 1945, 1943, 1940, 1938, 1933, 1932, 1928, 1926, 1925, 1920

**APPENDIX E – RISK MANAGEMENT PLAN, DEED RESTRICTION AND NO-FURTHER-ACTION LETTER**



Aqua Science Engineers, Inc. 55 Oak Court, Suite 220, Danville, CA 94526  
(925) 820-9391 - Fax (925) 837-4853 - [www.aquascienceengineers.com](http://www.aquascienceengineers.com)

November 30, 2014

**RISK MANAGEMENT PLAN**  
for  
**The Former Oliver Salt Facility**  
4150 Pont Eden Way  
Hayward, California

Submitted by:  
**AQUA SCIENCE ENGINEERS, INC.**  
55 Oak Court, Suite 220  
Danville, CA 94526  
(925) 820-9391



Aqua Science Engineers, Inc. 55 Oak Court, Suite 220, Danville, CA 94526  
(925) 820-9391 - Fax (925) 837-4853 - www.aquascienceengineers.com

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Aqua Science Engineers, Inc. 55 Oak Court, Suite 220, Danville, CA 94526  
(925) 820-9391 - Fax (925) 837-4853 - [www.aquascienceengineers.com](http://www.aquascienceengineers.com)

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Aqua Science Engineers, Inc. 55 Oak Court, Suite 220, Danville, CA 94526  
(925) 820-9391 - Fax (925) 837-4853 - www.aquascienceengineers.com

## **1.0 INTRODUCTION**

This Risk Management Plan (RMP) presents general information about soil and groundwater at the former Oliver Salt facility located at 4150 Point Eden Way in Hayward, California (“the Site”; Figure 1), and describes appropriate handling procedures and worker health and safety measures that should be implemented when excavating or dewatering activities are performed at the Site, since residual hydrocarbons in soil and groundwater remain in certain areas at the Site. The risk management measures identified in this Plan include dust control, soil and groundwater management protocols, worker health and safety planning requirements, and waste management requirements, associated with redevelopment and/or maintenance of the Site under current conditions. The RMP also requires soil vapor mitigation (i.e., vapor barriers), as described in section 6.0. Current and future owners, occupants, managers, or contractors delegated or authorized to perform construction at the Site are required to comply with the risk management measures identified in this RMP when engaging in the relevant activities discussed herein. A Covenant and Environmental Restriction (“Environmental Covenant”) recorded against the Site requires the owner and/or occupant to comply with the Plan’s measures. The Environmental Covenant places responsibility for compliance with the owner and/or occupant of the Site at the time the activity is conducted, even when such owner or occupant has contracted with another party to perform those measures. Changes to this RMP will require notice to and approval by the RWQCB pursuant to the Environmental Covenant.

## **2.0 SITE SETTING**

The Site is approximately six acres in size, and located on the eastern shore of the San Francisco Bay near the eastern approach to the Hayward-San Mateo Bridge. The assessor’s parcel number is 461-0085-020-02. The Site’s groundwater is brackish to hypersaline and tidally influenced by the adjacent Eden Landing Ecological Reserve, an actively managed tidal estuary and restoration project. Groundwater is generally 5 to 6-feet below ground surface (bgs), but may be as shallow as 3-feet bgs. The Site was used by the Oliver Brothers to harvest salt from bay waters for more than 100 years from 1868 to 1981, until the operations ceased with the encroachment of industrial development and the Highway 92 Interchange for the San Mateo Bridge. At the time of the preparation of this RMP, the site is vacant other than an old wooden building used by the former salt farm operation.

## **3.0 SITE HISTORY**

The following is a brief history of environmental activities at the site. The Site was used to harvest salt from bay waters for a period of approximately 100 years. Part of its infrastructure were two steel underground fuel tanks, which over years corroded and leaked diesel fuel and gasoline into the soil and groundwater. Significant investigation and cleanup operations were performed, as described below. This work resulted in site-wide characterization that confirmed the discrete locations of contamination, followed by soil and groundwater remediation and monitoring. The data obtained from these activities formed the basis for this Plan. More detailed



Aqua Science Engineers, Inc. 55 Oak Court, Suite 220, Danville, CA 94526  
(925) 820-9391 - Fax (925) 837-4853 - www.aquascienceengineers.com

information on the history of the site, as well as current conditions at the site, may be found in the following reports:

- “Report of Evaluation of Risk to Off-Site Sensitive Receptors and Updated Hydrogeologic Study,” Aqua Science Engineers, Inc. and Environmental Navigation Services, Inc, March 26, 2014
- “Semi-Annual Groundwater Monitoring Report, December 2013 Groundwater Sampling,” Aqua Science Engineers, January 28, 2014
- “Report of Additional Soil, Groundwater, and Soil Vapor Data Gap Assessment,” Aqua Science Engineers, December 4, 2013
- “Recommendation for Case Closure as a Low-Threat Underground Storage Tank Case and Updated Site Conceptual Model,” Aqua Science Engineers, January 28, 2013
- “Report of Soil Vapor Survey and Area Well Survey,” December 5, 2012
- “Soil Overexcavation Completion Report,” Aqua Science Engineers, February 29, 2012
- “Soil and Groundwater Remediation Report (Revised),” Aqua Science Engineers, June 25, 2009
- “Revised Report of Additional Soil and Groundwater Assessment and Corrective Action Plan,” Aqua Science Engineers, August 23, 2006

### 3.1 Underground Storage Tank Removal

In April and May 1998, a 500-gallon UST and a 100-gallon UST previously used to store diesel-fuel and gasoline were removed from the site. Both tanks were in very poor condition.

### 3.2 Soil Overexcavations (1999 through 2011)

Between July 1999 and September 2000, a total of 2,101 tons of contaminated soil were excavated in the vicinity of the former UST locations and transported off-site for disposal.

From September 2001 through April 2002, an additional 8,000+ cubic yards of contaminated soil was excavated at the site. This soil was bioremediated on-site, sampled and backfilled under the oversight of the Alameda County Health Care Services Agency. The excavation was also dewatered and the water was disposed of through the sanitary sewer system under permit. Backfill operations continued until June 2002.



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(925) 820-9391 - Fax (925) 837-4853 - www.aquascienceengineers.com

In July 2002, “hot spot” areas to the east and west of the primary excavation area were excavated once workspace was made available through backfilling operations. This soil from the “hot spots” was bioremediated on-site in the same manner as previous bioremediation activities.

In November 2006, the existing excavations were backfilled using imported drain rock and the soil that was previously remediated and stockpiled at the site. This soil was manually compacted during the backfilling.

In 2011, a hotspot south of the building and north of the former in-situ treatment area was overexcavated. This soil was disposed of off-site and the excavations backfilled with imported material and compacted.

### 3.3 In-Situ Soil Treatment with RegenOx and ORC

In 2008, clean overburden from the treatment area was removed and soil within the treatment area was treated with RegenOx and ORC Advanced applied and mixed using the Lang Tool. Following treatment, the clean stockpiled soil was backfilled into the excavation in 18-inch lifts over the treated area and manually compacted. The process of the soil mixing has left this treatment area with relatively soft soil that may require geotechnical treatment prior to any development over this area. The in-situ chemical oxidation treatment area is shown on Figure 2.

### 3.4 Groundwater Monitoring

Groundwater monitoring wells were installed and monitored on either a quarterly or semi-annual bases between 2007 and 2013. Tabulated data for the entire groundwater monitoring program is presented in ASE’s “Semi-Annual Groundwater Monitoring Report, December 2013 Groundwater Sampling,” dated January 28, 2014.

### 3.5 Well Destruction

In May 2010, two on-site water supply wells were properly destroyed. At the time of the preparation of this report, three monitoring wells were previously destroyed and nine monitoring wells still exist at the Site. However, by the time this RMP takes effect and as a condition of the RWQCB issuing a “no further action“ letter, the remaining monitoring wells will also be properly destroyed and no wells will remain at the Site.

## **4.0 CURRENT SITE CONDITION AND POTENTIAL SOIL AND GROUNDWATER CONTAMINANTS**

The extensive characterization studies and remedial actions performed at the Site have resulted in a Site that is acceptable for redevelopment without restrictions, except for two portions of the Site (called the “restricted areas”) located in the eastern and western portions of the property (see areas labeled “Restricted Areas” on Figure 3). Residual petroleum hydrocarbons remain in soil and/or groundwater beneath the restricted areas. Benzene concentrations in groundwater beneath



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the restricted areas exceed the commercial non-drinking water Environmental Screening Level (ESL) of 27 parts per billion (ppb) set by the RWQCB, which was established based on potential vapor intrusion to indoor air situations.

The current concentrations meet criteria for case closure for commercial property, although some restrictions and conditions for the redevelopment of the restricted areas are needed to ensure the safety of workers, future occupants of site structures, and the environment. This report presents information needed to manage and mitigate these conditions.

In addition, the soil in the former “in-situ treatment area” on the eastern portion of the property was made soft as a result of the remediation process and may not meet compaction criteria for construction in this area without geotechnical mitigation.

## **5.0 SOIL AND GROUNDWATER MANAGEMENT**

Soil within the restricted areas (see areas labeled as “Restricted Area” on Figure 3) may contain detectable concentrations of TPH-G, TPH-D, and BTEX. These compounds are referred to as chemicals of potential concern (COPC’s). In addition, COPC’s are present at moderate concentrations in groundwater in a slightly larger area (Figure 4). The presence of these compounds requires management to ensure safe conditions for construction workers, future site users, and the environment under certain circumstances.

### **5.1 Soil Management**

Appropriate soil management measures that should be implemented to control potential risk to human health due to the presence of COPC’s in the soil in the restricted areas are described below.

#### ***5.1.1 Excavation of On-Site Soil in the Restricted Areas***

Elevated concentrations of the COPCs in soil may be encountered during construction activities at depths below 5-feet in the restricted areas. During excavation activities in the restricted areas, handling of soil below a depth of five (5) feet below grade that is disturbed during the removal and/or replacement of foundations, demolition of underground piping, the pre-drilling of holes for the installation of piles, and installation of grade beams, utility lines, and sanitary sewer lines, etc must be handled as described below to ensure worker health & safety, unless the RWQCB approves other procedures. Contractors will implement dust control mitigation measures during construction activities at the site to minimize the generation of dust. Dust control is particularly important to minimize exposure of on-site construction workers to dust and to prevent nuisance dust and dust containing COPCs from migrating off-site. The type of dust generation that will be mitigated is associated with excavation activities, truck traffic at the site, ambient wind



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traversing soil stockpiles or debris, and loading transportation vehicles. Contractors will use the following measures to minimize the generation of dust at the site during construction:

- Vehicle speeds on the property will be limited to 5 mph.
- Water will be sprayed over the work area while performing excavation activities; stockpiles, as needed, will be covered with plastic sheets of 6-mil minimum thickness at the end of each work day.

Additional dust control measures may be implemented by the selected contractor, as necessary, especially if windy conditions persist during site grading and excavation. These measures may include moisture, conditioning the soil, using dust suppressants, or covering the exposed soil and stockpiles with weighted plastic sheeting to prevent exposure of the soil.

Existing soil that is disturbed during construction and shows no signs of COPCs (i.e. odors, staining, discoloration) can be handled and reused on-site as backfill, or disposed of off-site, as seen fit by the contractor.

In the event that disturbed soil appears to contain COPCs (i.e. odors, staining, and/or discoloration), work should halt in that area and an environmental professional (EP), such as a geologist, engineer, industrial hygienist, or environmental health specialist with expertise in these matters, should be called to the site to oversee the work and determine safe construction and soil handling procedures.

The EP should be present on-site during excavations greater than 5-feet bgs in the Restricted Areas to observe field conditions and measure hydrocarbon vapors using a hand held photoionization detector (PID). In the event that PID readings are measured in a specific area showing concentrations in excess of construction worker screening levels published by the RWQCB, construction activities in that area will halt until appropriate risk mitigation measures are implemented. If necessary, HAZWOPER trained personnel shall be called to the site to complete the construction activities in that area. The EP personnel may collect and analyze selected soil samples to determine the appropriate handling procedures and personnel to work in the specific area. The soil that is generated during excavation activities that appears to contain COPCs should be segregated into areas designated by the construction manager, to be sampled to determine whether it is appropriate for backfilling, or if it should be properly disposed off-site. Any excavated soil that appears to contain COPCs should be covered with plastic to limit exposure of the COPC's to workers on site, neighboring properties, or rain.

#### 5.1.2 Re-Use of Native Soil as Backfill Material

Soil generated from the top 5-feet in the restricted areas during construction activities such as utility installation, building pad preparation, or roadway preparation, may be used as backfill material as seen fit by the contractor, as long as no suspected COPC are identified during soil



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movement. Soil excavated from deeper than 5-feet bgs in the restricted area should only be reused on-site as backfill after sampling and analysis soil proves the soil is acceptable to remain on site. ASE recommends using commercial ESLs as a guide to determine if soils may remain on site or require off-site disposal. All appropriate regulatory sampling methods, holding times, and detection limits shall be followed.

### 5.1.3 Import Fill Material

Before clean fill material is imported, the fill material selected for import shall be verified to be free of all pollutants or contaminants by the import material supplier. Proof of the import material as certified “clean” should come in written form along with testing procedures and analytical results, as necessary. Should the import material be of virgin, quarried material, testing and analysis would not be required as long as documentation establishing its origin is provided.

## 5.2 Groundwater Management

Groundwater management identifies appropriate measures that would be implemented to control potential risks to human health and the environment due to presence of COPC’s in the groundwater that may be encountered during construction activities. Since site groundwater may contain moderate concentrations of COPCs, the redevelopment plan for the site should include a health and safety plan, which incorporates procedures to minimize direct contact by workers with site groundwater, particularly in the restricted areas.

During construction activities, groundwater may collect in excavations or be encountered in quantities that would require dewatering. Numerous soil borings drilled over the entire site indicate that groundwater may be encountered at depths as shallow as 3-feet bgs. Should excavation activities for re-development of the site require digging to depths greater than 3-feet bgs, there is a potential that groundwater in some areas of the site could be impacted with COPCs. The most likely area is in the former remediation zone. Figure 4 shows the area that contains benzene in groundwater at concentrations exceeding 1 part per billion (ppb). If groundwater is encountered during re-development activities in the area where benzene concentrations exceed 1 ppb, an EP needs to be called to the site to determine safe handling procedures. The groundwater should be pumped into appropriate containers and samples should be obtained for chemical analysis of the COPCs in accordance with a site sampling plan and the requirements of the waste disposal facility to which the material may be sent. Should water sample analytical results indicate the water is free of all detectable concentrations of COPCs, such water can be re-used at the site if deemed appropriate by Alameda County and the RWQCB. Should water sample analytical results indicate the water contains concentrations of COPCs above appropriate RWQCB screening levels, such water may not be re-used at the site. The contractor and the EP may elect to (a) treat the groundwater on-site to render it free of



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(925) 820-9391 - Fax (925) 837-4853 - www.aquascienceengineers.com

detectable concentrations of COPCs (e.g. by activated carbon filtration), or (b) transport the groundwater to a local treatment or disposal facility for appropriate handling.

## **6.0 SOIL VAPOR MITIGATION**

Ideally, the restricted area would be better left as open space or parking. In addition to the possible presence of COPCs, the eastern restricted area also contains soil that has been made soft and loose from the in-situ remediation project. Soil in this area may require geotechnical treatment to stabilize the soil prior to development.

### 6.1 Building Pad Bioattenuation Zone

Any structures for human habitation that are to exist in the restricted areas (Figure 3) must be constructed on top of a minimum of 5-foot bioattenuation zone. This bioattenuation zone is to consist of a minimum of 5-feet of soil above the anticipated shallowest groundwater elevation, and the soil must not contain total petroleum hydrocarbons greater than 100 ppm. Based on current conditions, ASE estimates that approximately 2-3 feet of clean fill soil will be required over the current grade (10.0-feet above msl) in the restricted areas to allow for an appropriate bioattenuation zone. All other requirements (oxygen content in unsaturated soil and current hydrocarbon concentrations) appear to have been met, other than the 5-foot thick vadose zone thickness due to shallow groundwater conditions.

### 6.2 Engineered Vapor Barrier

In addition, an engineered vapor barrier should be employed to further protect against possible vapor intrusion of COPCs into any structure. The vapor barrier should be designed to meet the needs of building to be constructed. Vapor barriers are generally constructed using membranes constructed with high-density polyethylene (HDPE) or other polyolefin-based resins. The vapor barrier should meet the American Society for Testing and Materials (ASTM) guideline for a vapor barrier and have a permeance rating of 0.1 perms or less. The thickness and strength of the vapor barrier should be based on the needs for the building, but the architect and contractor must pick a material strong enough to easily withstand the building construction and other building considerations. Any selected vapor barrier must be approved by the RWQCB prior to installation. Further information of vapor barrier selection may be found in Appendix A.

## **7.0 DECONTAMINATION PROCEDURES**

### 7.1 Equipment Decontamination

To prevent or minimize construction equipment from tracking polluted spoils off the site onto roadways, construction equipment that contacts soils deeper than 5-feet bgs should be decontaminated prior to leaving the site.



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Decontamination methods will include brushing and/or vacuuming to remove loose dirt on vehicle exteriors and wheels. In the event that these dry decontamination methods are inadequate, methods such as steam cleaning, high pressure washing, and cleaning solutions may be used, as necessary, to thoroughly remove accumulated dirt and other materials. Decontamination activities will be performed in an on-site decontamination facility established by the contractor.

## 7.2 Personnel Decontamination

All workers performing construction activities at depths below 5-feet bgs in the restricted areas will adhere to the following personnel decontamination procedures when exiting the area:

- Vacuum the surface of coveralls, head covers, and footwear to remove any accumulated soil particles. Change into street clothes if practical;
- Vacuum or wash small tools, hand tools, or personal equipment to remove any accumulated soil particles and;
- Place work clothes and personal equipment in sealed plastic bags or other suitable containers for transportation or on-site storage.

## **8.0 HEALTH & SAFETY ISSUES**

The site contractor will be responsible for the establishing and maintaining proper health and safety procedures to minimize worker and public exposure to site contaminants during construction. A site Health & Safety Plan (HASP) should be prepared by an EP, an Industrial Hygienist, or other qualified professional prior to any field work or re-development of the site.

## **9.0 MAINTENANCE REQUIREMENTS**

The objective of maintenance requirements is to ensure that the long-term soil mitigation measures would remain effective during the site's use and occupancy period. The owner and operator are responsible for informing any employee or contractor performing below-grade construction about the environmental conditions, soil and groundwater management concerns, and health and safety requirements.

There are no active mitigation measures requiring maintenance at the site, and no environmental sampling will be required. However, should take any construction take place in the restricted areas that may damage a vapor barrier (for example: plumbing repairs requiring cutting through the concrete slab), the vapor barrier must be repaired.

## **10.0 OTHER SITE RESTRICTIONS**

Restrictions on Development and Use. In accordance with the RWQCB approved Land Use Covenanat recorded on title, the site owner and operator shall meet the following site restrictions:



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- a. No inhabited structure may be built upon the Burdened Property except in compliance with this RMP, with notice to the Board.
- b. No excavation may be performed on the Burdened Property, except in compliance with this RMP, with notice to the Board. Any contaminated soils or groundwater brought to the surface by grading, excavation, trenching, backfilling or dewatering shall be managed by Covenantor or his agent in accordance with all applicable provisions of local, state and federal law;
- c. All uses and development of the Burdened Property shall be consistent with this RMP, with notice to the Board. All uses and development shall preserve the integrity of any cap, vapor barrier or venting system to mitigate the potential for vapor intrusion, or any remedial measures or remedial equipment installed, and any groundwater monitoring system installed on the Burdened Property pursuant to the requirements of the Board, unless otherwise expressly permitted in writing by the Board.
- d. The construction of water supply wells at the site is prohibited, unless expressly approved by the Board.

## **11.0 LIMITATIONS**

This report is an instrument of professional service and was prepared in accordance with the generally accepted standards and level of skill and care under similar conditions and circumstances established by the environmental consulting industry. To the extent that ASE relied upon any information prepared by other parties, ASE makes no representation as to the accuracy or completeness of such information. This report is expressly for the sole and exclusive use of the party for whom this report was originally prepared for a particular purpose. Only the party for whom this report was originally prepared and/or specifically named parties have the right to make use of and rely upon this report. Reuse of this report of any portion thereof for other than its intended purpose, or if modified, or if used by third parties, shall be at the user's sole risk.

Results of any investigation or testing and any findings presented in this report apply solely to conditions existing at the time when ASE's investigative work was performed. It must recognize that any such investigative or testing activities are inherently limited and do not represent a conclusive or complete characterization. Conditions in other parts of the project site may vary from those at the locations where data were collected. ASE's ability to interpret investigation results is related to the availability of the data and the extent of the investigational activities. As such, 100% confidence in environmental investigation conclusions cannot reasonably be achieved. ASE therefore, does not provide any guarantees, certifications, or warranties regarding any conclusions regarding environmental contamination of any such property. Furthermore, nothing contained in this document shall relieve any other party of its responsibility to abide by contract documents and applicable laws, codes, regulations, or standards.



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Should you have any questions or comments, please call us at (925) 820-9391.

Respectfully submitted,

AQUA SCIENCE ENGINEERS, INC.

A handwritten signature in black ink that reads "David Allen". The signature is written in a cursive style with a large initial 'D'.

David Allen  
Vice President

A handwritten signature in black ink that reads "Robert E. Kitay". The signature is written in a cursive style with a large initial 'R'.



Robert E. Kitay, P.G.  
Senior Geologist

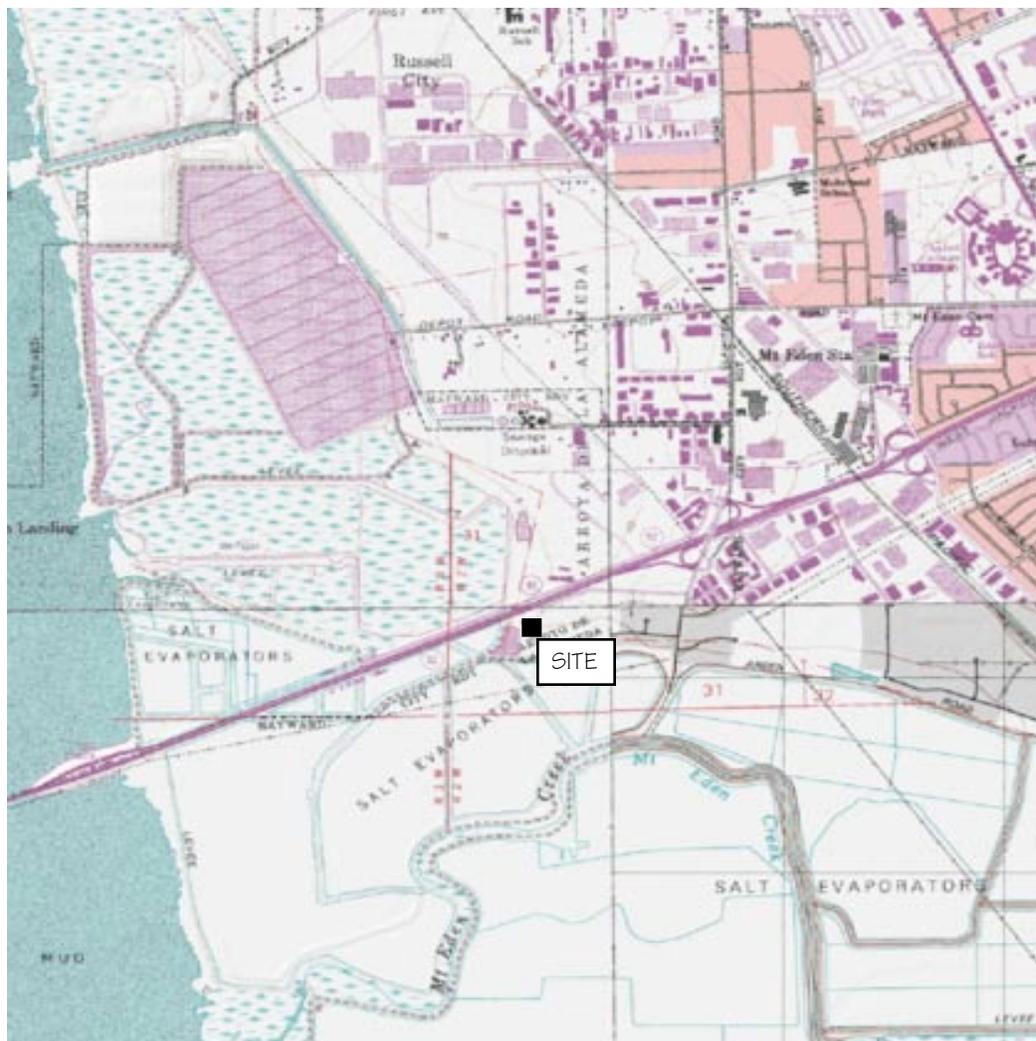


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## **FIGURES**



NORTH



SITE LOCATION MAP

FORMER OLIVER SALT PLANT  
4150 POINT EDEN WAY  
HAYWARD, CA 94545

AQUA SCIENCE ENGINEERS, INC.

Figure 1

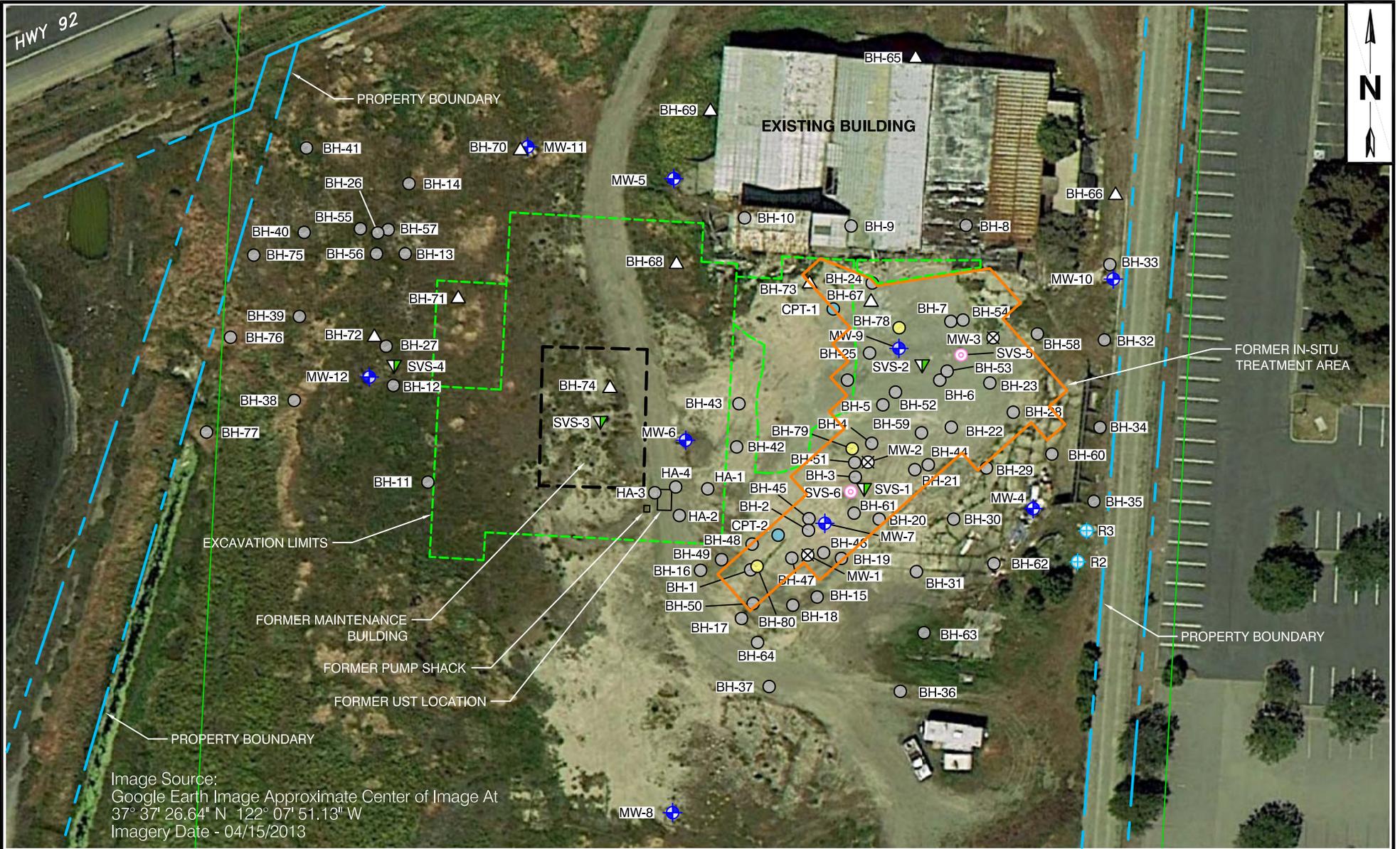
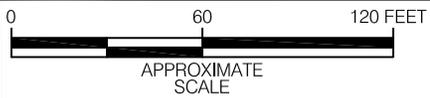


Image Source:  
 Google Earth Image Approximate Center of Image At  
 37° 37' 26.64" N 122° 07' 51.13" W  
 Imagery Date - 04/15/2013



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 Danville, CA 94526



**EXPLANATION BLOCK**

- BH-80 ● BORING LOCATIONS SOIL ONLY
- MW-12 ⊕ EXISTING MONITORING WELL
- MW-3 ⊗ DESTROYED MONITORING WELL (DURING LANG TOOL TREATMENT)
- BH-42 ○ SOIL BORING
- BH-74 ▲ DEEPER SOIL BORING
- SVS-6 ⊙ SOIL VAPOR LOCATION
- R3 ⊕ FORMER WATER SUPPLY WELL
- SVS-4 ▼ SOIL VAPOR SURVEY LOCATION
- Overexcavation Location (Green dashed line)

**SITE LAYOUT AND FEATURES**

FORMER OLIVER SALT PLANT  
 4150 POINT EDEN WAY  
 HAYWARD, CALIFORNIA

PE/PG <b>JWJ</b>	Project Number <b>OOSW</b>	<b>2</b>
Project Manager <b>RK</b>	Drafter <b>CM</b>	
Date <b>10/30/2014</b>		



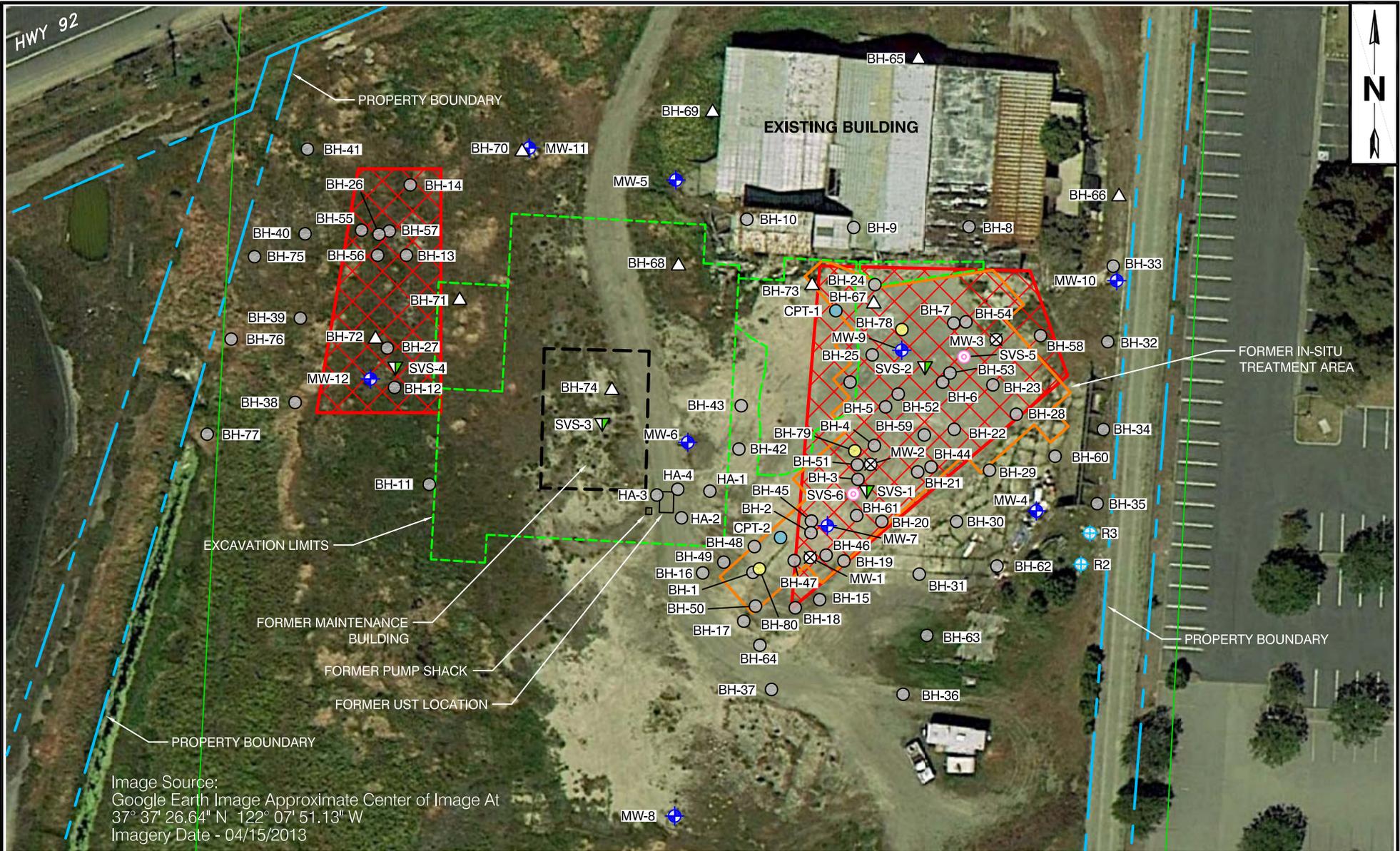
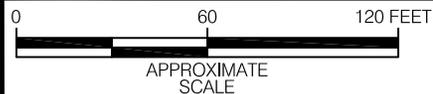


Image Source:  
 Google Earth Image Approximate Center of Image At  
 37° 37' 26.64" N 122° 07' 51.13" W  
 Imagery Date - 04/15/2013



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**EXPLANATION BLOCK**

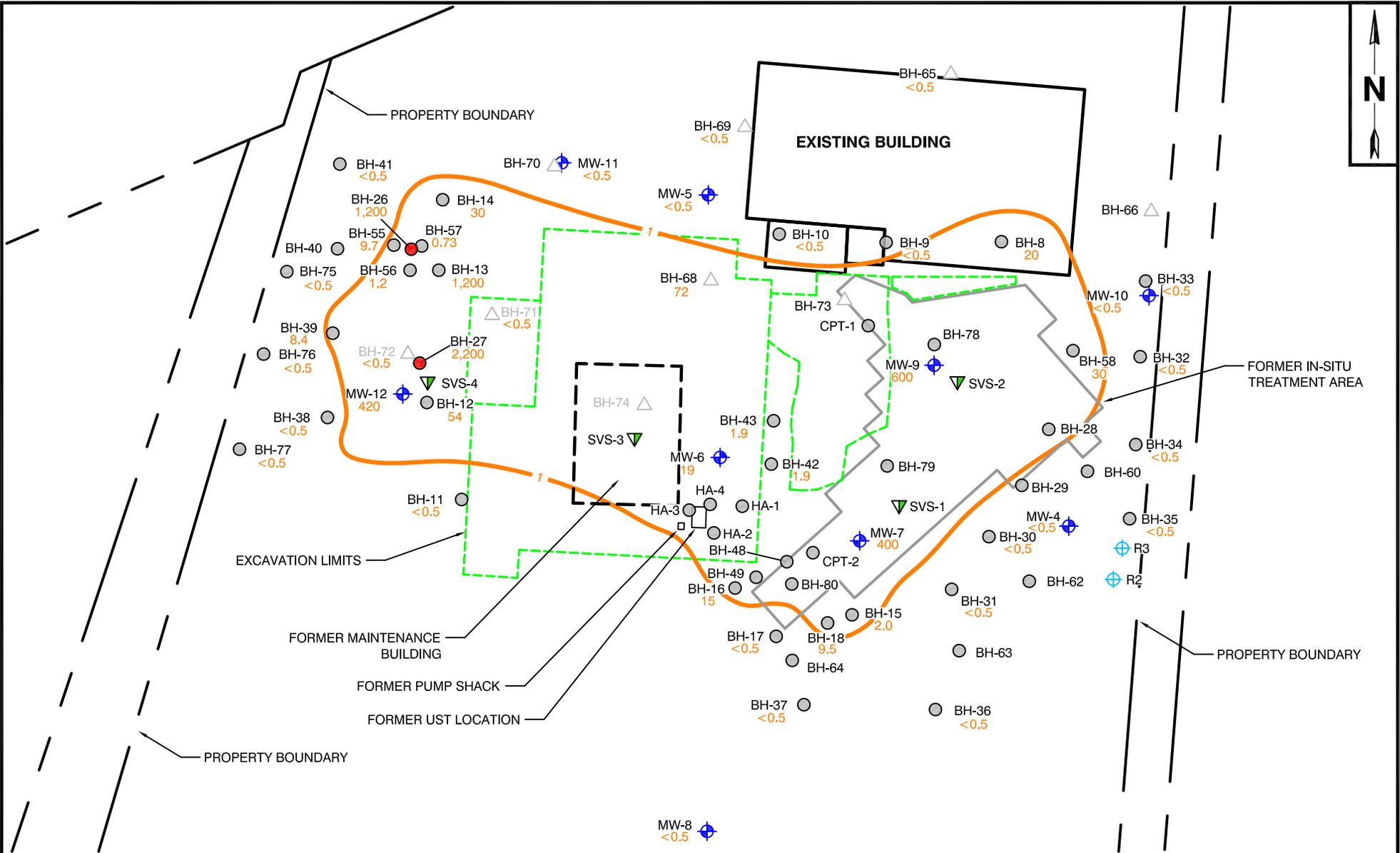
- BH-80 ● BORING LOCATIONS SOIL ONLY
- MW-12 ⊕ EXISTING MONITORING WELL
- MW-3 ⊗ DESTROYED MONITORING WELL (DURING LANG TOOL TREATMENT)
- BH-42 ● SOIL BORING
- BH-74 ▲ DEEPER SOIL BORING
- SVS-6 ⊙ SOIL VAPOR LOCATION
- R3 ⊕ FORMER WATER SUPPLY WELL
- SVS-4 ▼ SOIL VAPOR SURVEY LOCATION
- OVEREXCAVATION LOCATION

**RESTRICTED AREAS**

FORMER OLIVER SALT PLANT  
 4150 POINT EDEN WAY  
 HAYWARD, CALIFORNIA

PE/PG <b>JWJ</b>	Project Number <b>OOSW</b>	<b>3</b>
Project Manager <b>RK</b>	Drafter <b>CM</b>	
Date <b>10/30/2014</b>		

Figure



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0 60 120 FEET  
APPROXIMATE SCALE

**EXPLANATION BLOCK**

- TPH-G CONCENTRATIONS OVER 1 PPB
- BH-74  $\Delta$  DEEPER SOIL BORING
- MW-12  $\oplus$  EXISTING MONITORING WELL
- MW-3  $\boxtimes$  DESTROYED MONITORING WELL (DURING LANG TOOL TREATMENT)
- BH-42  $\odot$  SOIL BORING

- BH-27  $\bullet$  PREVIOUS SOIL BORING - CONCENTRATION SUBSEQUENTLY SHOWN TO BE LOWER BASED ON MORE RECENT DATA
- R3  $\oplus$  FORMER WATER SUPPLY WELL
- SVS-4  $\nabla$  SOIL VAPOR SURVEY LOCATION
- - - OVEREXCAVATION LOCATION

Note:  
Data for borings in the remediation area collected prior to remediation not included on this map.

**EXTENT OF BENZENE EXCEEDING 1 PPB IN SHALLOW GROUNDWATER**

FORMER OLIVER SALT PLANT  
4150 POINT EDEN WAY  
HAYWARD, CALIFORNIA

PE/PG <b>JWJ</b>	Project Number <b>OOSW</b>	<b>4</b>
Project Manager <b>RK</b>	Drafter <b>CM</b>	
		Date <b>10/30/2014</b>



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## **APPENDIX A**

Information of Selection of Engineered Vapor Barriers

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# Vapor Barriers under Concrete Slabs- How to Select and Locate

Course No: T01-001

Credit: 1 PDH

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Brian McCaffrey, P.E.

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Continuing Education and Development, Inc.  
9 Greyridge Farm Court  
Stony Point, NY 10980

P: (877) 322-5800

F: (877) 322-4774

[info@cedengineering.com](mailto:info@cedengineering.com)

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# **VAPOR BARRIERS UNDER CONCRETE SLABS – HOW TO SELECT AND LOCATE**

**By Brian M. McCaffrey, P.E.**

## **Introduction**

Vapor barriers are traditionally specified by architects and engineers to limit the amount of moisture that migrates into and upward through concrete slabs. Moisture infiltration through concrete slabs has been known to cause flooring system failures, damage to the concrete slab, and growth of mold and mildew due to higher humidity levels within the building.

More recently, vapor barriers have been used at brownfields redevelopment sites. For sites where the source of soil or groundwater contamination cannot be completely eliminated, vapor barriers are used to prevent vapor intrusion of volatile organic compounds (VOCs) into newly constructed buildings.

Additionally, vapor barriers are used in high radon potential areas to prevent the migration and accumulation of radon gas in buildings and homes.

Given the many applications, a vapor barrier is one of the most critical building components used to prevent indoor air quality issues and minimize moisture-related concrete slab and flooring system failures. Additionally, installation of a vapor barrier may help to contribute to LEED credits for buildings seeking to be certified under the U.S. Green Building Council (USGBC) for Leadership in Energy and Environmental Design (LEED).

## **What is a Vapor Barrier?**

A vapor barrier is an impermeable membrane primarily used to resist water vapor transmission from the soil to the concrete slab. The term ‘vapor barrier’ is often used interchangeably with the term ‘vapor retarder’ to describe all membranes used to resist water vapor transmission. However, vapor retarders only retard the transmission of water vapor, whereas, vapor barriers are impermeable to water vapor. Therefore, the most important criteria used when specifying a vapor barrier is resistance to water vapor transmission, also known as its permeance value.

## **Vapor Barrier Materials**

For the purpose of this discussion, vapor barrier materials will be limited to sheets of membrane materials, though a vapor barrier can be any unbroken surface that is impermeable to water vapor such as spray-applied asphalt/latex. Membranes are most commonly made from high density polyethylene (HDPE) or other polyolefin-based resins. These materials have high tensile strength and high puncture resistance. HDPE tends to have the highest chemical resistance among polyolefin membranes.

## **Selecting a Vapor Barrier**

Low water vapor transmission, high tensile strength, high puncture resistance, thickness, and chemical resistance are the primary selection and specification criteria. These characteristics will ensure that the vapor barrier not only performs as an effective barrier to moisture and other vapors, but will also maintain its physical integrity during the placement of the concrete slab.

## **Resistance to Water Vapor Transmission**

Manufacturers typically use one of three terminologies to describe the water vapor transmission properties of their vapor membranes: (1) water vapor transmission rate, (2) permance, and (3) permeability. Of these terminologies, water vapor transmission rate and permeability are material properties, while permance is a performance indicator. Therefore, the permance value should be used to evaluate the effectiveness of vapor barriers to resist water vapor transmission. As per the standard definitions described in ASTM C 168, Standard Terminology Relating to Thermal Insulation, the water vapor transmission properties are described in the following paragraphs:

### *Water Vapor Transmission Rate*

The water vapor transmission rate is the amount of water passing through a given area of material under specific conditions of temperature and humidity. The result is expressed in terms of grains/(hr•ft<sup>2</sup>) (SI units - g/24 hr•m<sup>2</sup>). The water vapor transmission rate equation is as follows:

Water Vapor Transmission (WVT) Rate =  $G / (tA)$

Where:

G = amount of water vapor flow (grains),

t = time (hrs), and

A = test area (ft<sup>2</sup>).

### Permeance

Permeance is the rate at which water vapor passes through a material under specific conditions of temperature and humidity. A material has a permeance of one perm if it allows the transmission of one grain of water vapor per square foot of area per inch of mercury (in Hg) of pressure difference per hour, expressed as grain/[ft<sup>2</sup>•in.Hg•hr] (SI units – ng/[Pa•s•m<sup>2</sup>]). The lower the permeance, the more effective the vapor barrier is to resisting transmission of water vapor. The permeance equation is as follows:

Permeance =  $WVT / \Delta P = WVT / S(R_1 - R_2)$

Where:

$\Delta P$  = vapor pressure difference (in. Hg),

S = saturation vapor pressure at test temperature,

R<sub>1</sub> = relative humidity at the source expressed as a fraction, and

R<sub>2</sub> = relative humidity at the vapor sink expressed as a fraction.

The American Society for Testing and Materials (ASTM) defines a vapor barrier as a material with a permeance rating of 0.1 perms or less. A vapor retarder is defined as a material with a permeance rating between 0.1 perms and 1.0 perm. Additionally, materials with a permeance rating greater than 1.0 perm are defined as vapor semi-permeable materials.

### Permeability

Permeability is the time rate of water vapor transmission through a material under specific temperature and humidity conditions. Permeability is a property of a material and is the

arithmetic product of permeance and material thickness. It is commonly expressed in terms of perm-inches (SI units – g/(Pa•s•m). The permeability equation is as follows:

$$\text{Permeability} = \text{Permeance} \times \text{Thickness}$$

The units used to express the water vapor transmission properties depend on the manufacturer and/or the location. The conversion factors for these units are provided in Table 1.

**Table 1 – Metric Units and Conversion Factors**

<b>Multiply</b>	<b>By</b>	<b>To Obtain</b>
<b>Water Vapor Transmission</b>		
g/(hr•m <sup>2</sup> ) grains/(hr•ft <sup>2</sup> )	1.43 0.697	grains/(hr•ft <sup>2</sup> ) g/(hr•m <sup>2</sup> )
<b>Permeance</b>		
ng/(Pa•s•m <sup>2</sup> ) grains/(hr•ft <sup>2</sup> •in.Hg)	0.0175 57.2	grains/(hr•ft <sup>2</sup> •in.Hg) ng/(Pa•s•m <sup>2</sup> )
<b>Permeability</b>		
g/(Pa•s•m) 1 Perm-inch	6.88 x 10 <sup>8</sup> 1.45 x 10 <sup>-9</sup>	1 Perm inch g/(Pa•s•m)

Note: Table adapted from ASTM E96 / 96M-05

Therefore, when specifying a vapor barrier, the material should have a permeance of 0.1 perms or less. This may also be reported in technical data provided by manufacturers as less than 0.1 grains/(hr•ft<sup>2</sup>•in.Hg) or less than 5.72 ng/(Pa•s•m<sup>2</sup>).

### **Strength and Durability Considerations**

ASTM E 1745-09 defines three classes of vapor barriers. Each class has the same permeance, but different strength and durability properties. The current (2009) version lists a permeance of 0.1 perms for all three classes, where previous versions (1997 and 2004) listed a permeance of 0.3 perms. As shown in the properties list below, a Class A vapor barrier will be more resistant to tearing and punctures than Class B and C vapor barriers.

## **ASTM E 1745 Properties for Specified Performance Classes**

### *Permeance*

Class A – 0.1 perms (0.1 grains/[hr•ft<sup>2</sup>•in.Hg], 5.72 ng/[Pa•s•m<sup>2</sup>])

Class B – 0.1 perms (0.1 grains/[hr•ft<sup>2</sup>•in.Hg], 5.72 ng/[Pa•s•m<sup>2</sup>])

Class C – 0.1 perms (0.1 grains/[hr•ft<sup>2</sup>•in.Hg], 5.72 ng/[Pa•s•m<sup>2</sup>])

### *Tensile Strength*

Class A – 45.0 lbf/in. (7.9 kN/m)

Class B – 30.0 lbf/in. (5.3 kN/m)

Class C – 13.6 lbf/in. (2.4 kN/m)

### *Puncture Resistance*

Class A – 2200 grams

Class B – 1700 grams

Class C – 475 grams

When specifying a vapor barrier based upon the class system, consideration should be given to exposure to foot and equipment traffic, and cost. Generally, if the potential for damage to the vapor barrier is high, then a stronger and more durable vapor barrier is required. However, this also comes at a higher material cost.

### **Thickness of Vapor Barrier**

The thickness of a vapor barrier is related to the tensile strength and puncture resistance properties. Generally, as the thickness of a vapor barrier increases, the strength and durability of the vapor barrier increases. Vapor barriers satisfying the requirements of ASTM E 1745-09 typically have a thickness of 10 mils (0.010 inch) or 15 mils (0.015 inch), but can be thicker depending upon the material and the manufacturer.

The minimum building code requirement for a vapor barrier is 6 mils (0.006 inch). However, a 6 mil vapor barrier may not have the tear and puncture resistance necessary to withstand normal construction activities. ACI 302.1R-04 recommends that vapor barriers be a minimum of 10

mils in thickness. If heavy equipment will be operating on the vapor barrier or if the vapor barrier will be installed over an angular subbase, a minimum of 15 mils is recommended.

### **Chemical Resistance Consideration**

If a vapor barrier is being used under a slab to control vapors at a brownfields site, the chemical resistance of the vapor barrier must be considered. Typically, these sites are former industrial facilities, gasoline stations, and dry cleaners. Contaminated soils and groundwater beneath the site may contain petroleum hydrocarbons and chlorinated solvents. The vapor barrier, therefore, should be chemically-resistant to the soil vapors encountered on site to reduce the potential for chemical degradation of the vapor barrier. Since this information is not typically provided by the manufacturer in the vapor barrier product description sheets, it is recommended that the architect or engineer obtain a letter from the manufacturer stating that the vapor barrier is chemically-resistant to the contaminants encountered beneath the site.

### **Guide Specification for Vapor Barrier**

A guide specification for vapor barriers is provided after the References section of this course. The template should be revised to meet the project requirements and coordinated with other specification sections.

### **Location of Vapor Barrier**

Studies have shown that vapor barriers can affect the behavior of the concrete slab and significantly influence finishing time, cracking, and strength. Architects, engineers, and contractors therefore often disagree on whether concrete should be placed directly on the vapor barrier or on a granular base placed over the vapor barrier. There are risks and benefits associated with both options, and they depend primarily on the water-cement ratio of the concrete mix.

### **Arguments for Placing Granular Base over the Vapor Barrier**

#### *Increased Finishing Time and Surface Defects*

Placing concrete directly on a vapor barrier increases the amount of bleedwater that rises to the top surface, since it cannot pass through the bottom of the concrete into the subsurface. As a

result, it prolongs the waiting time between floating the concrete and finishing because the extra bleedwater must evaporate before final troweling. If the finishing work is done while the bleedwater is still on the concrete surface, it could lead to surface defects. These problems can be alleviated by choosing a concrete mix with a low water-cement ratio to reduce the amount of potential bleedwater.

### *Increased Cracking of the Concrete Slab*

Studies have shown that extensive cracking can occur in slabs placed on vapor barriers and little cracking in slabs placed over sand. The reduction in cracking was attributed to absorption of concrete mix water into the sand bed. However, it should be noted that the concrete mixes used in the study had high water-cement ratios of 0.7 to 0.8 and slump from 8 to 9 inches. A lower water-cement ratio would decrease the likelihood for cracking.

### *Reduced Strength*

Studies have shown that concrete placed over a sand bed was 30% stronger than concrete placed over a vapor barrier. However, the concrete mix used in the studies had high water-cement ratios. The difference in strength between concrete placed on a sand bed versus concrete placed on a granular base should be less significant at lower water-cement ratios.

### **Arguments against Placing Granular Base over the Vapor Barrier**

The primary argument against using a granular base between the vapor barrier and the concrete slab is that when concrete is placed on a granular base overlying a vapor barrier, the granular base absorbs the excess water creating a moisture reservoir beneath the slab. This then provides a large source for moisture migration through the concrete slab and can lead to moisture-related flooring and health problems in the building.

### **Summary**

Since the risks and benefits are project and site dependent, the decision of where to place the vapor barrier should be considered on a project-specific basis. ACI 302.1R-04 recommends that the location of the vapor barrier should be evaluated based upon the moisture sensitivity of

subsequent floor finishes, anticipated construction and completed project conditions, and the potential effects of cracking.

ACI 302.1R-04 provides a decision flow chart to determine if a vapor barrier is required and where it is to be placed. To summarize, the concrete should be placed directly on the vapor barrier if the concrete slab will be covered with a moisture-sensitive covering or if the slab will be exposed to the elements (i.e., precipitation) during curing. If these conditions do not exist, then a granular base can be placed on top of the vapor barrier prior to the concrete pour.

If the concrete will be poured directly on top of a vapor barrier, choosing a high-quality, low-shrinkage concrete with a low water-cement ratio, properly finishing the concrete, and reducing joint spacing will minimize potential problems with the concrete slab. In all cases, do not allow the contractor to poke holes in the vapor barrier to drain out the excess water since this will reduce the effectiveness of the vapor barrier.

## **LEED Credits**

Vapor barriers may contribute to several LEED credits for buildings seeking certification as a U.S. Green Building Council LEED for New Construction projects. The following is a list of potential points that vapor barriers may help to achieve for such projects.

### **Sustainable Sites – SS Credit 3: Brownfield Redevelopment (1 point)**

This credit encourages the rehabilitation of environmentally contaminated land for redevelopment. Vapor barriers maintain a low permeance to protect buildings and its inhabitants from vapor intrusion of harmful soil gases found in brownfields sites.

### **Energy and Atmosphere – EA Credit 1: Optimize Energy Performance (1-19 points)**

The intent of this credit is to achieve increasing levels of energy performance above the baseline in the prerequisite standard to reduce environmental and economic impacts associated with increased energy use. Vapor barriers prevent significant amounts of water vapor from entering into a building envelope. This reduced moisture transmission can significantly reduce the latent moisture load, and the power required by an HVAC system to maintain indoor humidity and

temperature levels. A vapor barrier may not reduce the power consumption by itself, but it can contribute to an overall energy optimization strategy.

### **Indoor Environmental Quality – EQ Credit 4.1 & 4.3: Low-Emitting Materials (1-2 points)**

EQ Credit 4.1 and EQ Credit 4.3 require low VOC content adhesives and low VOC emitting flooring systems, respectively. However, low VOC flooring adhesives and flooring systems are susceptible to moisture related damage and mold growth due to water vapor migration. The use of a vapor barrier will protect low VOC adhesives and carpets from moisture related damage.

### **Course Summary**

A vapor barrier is one of the most critical building components used to prevent indoor air quality issues and minimize moisture-related concrete slab and flooring system failures. Proper selection of a vapor barrier based upon the criteria of low permeance, high tensile strength, high puncture resistance, and chemical resistance will ensure that the vapor barrier not only performs as an effective barrier to moisture and other vapors, but will also maintain its physical integrity during the placement of the concrete slab.

Problems with the concrete slab can potentially occur if the concrete is poured directly on top of the vapor barrier. If the concrete will be poured directly on top of a vapor barrier, choosing a high-quality, low-shrinkage concrete with a low water-cement ratio, properly finishing the concrete, and reducing joint spacing will minimize potential problems with the concrete slab.

Finally, vapor barriers may contribute to several LEED credits for buildings seeking certification as a U.S. Green Building Council LEED for New Construction projects.

### **References**

ACI 302.1R-04, “Guide for Concrete Floor and Slab Construction,” American Concrete Institute.

ASTM C 168-08b, “Standard Terminology Relating to Thermal Insulation,” American Society for Testing and Materials.

ASTM E 96 / E96M-05, “Standard Test Methods for Rating Water Vapor Permeance of Materials,” American Society for Testing and Materials.

ASTM E 1745-09, “Standard Specification for Water Vapor Retarders used in Contact with Soil or Granular Fill Under Concrete Slabs,” American Society for Testing and Materials.

M. Phalguni, K. Kumaran, J. Lackey, and D. van Reenen, “Water Vapor Transmission Measurement and Significance of Corrections,” *Journal of ASTM International*, Vol. 4, No. 8, 2007.

B. Suprenant, “Vapor Barriers Under Concrete Slabs”, *Concrete Construction*, Publication #C920292, 1992.

U.S. Green Building Council, “LEED 2009 for New Construction and Major Renovations Rating System”, 2009.

**ATTACHMENT A**  
**GUIDE SPECIFICATION FOR BELOW GRADE VAPOR BARRIERS**

DIVISION 7 – THERMAL AND MOISTURE PROTECTION

SECTION 07 26 16 – Below Grade Vapor Barriers

Specifier Notes: This guide specification is written according to the Construction Specifications Institute (CSI) Format. The section must be carefully reviewed and edited by the Architect or Engineer to meet the requirements of the project. Coordinate this section with other specification sections and the drawings.

**PART 1 – GENERAL**

**1.01 Section Includes**

- A. Surface Preparation
- B. Application of underslab vapor barrier

**1.02 Related Sections**

Specifier Notes: Edit the list of related sections as required for the project. List other sections dealing with work directly related to this section.

- A. Section 03 30 00 – Concrete
- B. Section 07 10 00 – Dampproofing and Waterproofing

**1.03 References**

- A. American Society for Testing and Materials (ASTM)
  - 1. ASTM E96 – Standard Test Methods for Water Vapor Transmission of Materials
  - 2. ASTM E154 – Standard Test Methods for Water Vapor Retarders Used in Contact with Earth Under Concrete Slabs
  - 3. ASTM E1643 – Standard Practice for Installation of Water Vapor Retarders Used in Contact with Earth or Granular Fill Under Concrete Slabs
  - 4. ASTM E1745 – Standard Specification for Plastic Water Vapor Retarders Used in Contact with Soil or Granular Fill Under Concrete Slabs

5. ASTM F1249-01 – Standard Test Method for Water Vapor Transmission Rate Through Plastic Film and Sheeting Using a Modulated Infrared Sensor

B. American Concrete Institute (ACI)

1. ACI 302.1R-04 – Guide for Concrete Floor and Slab Construction

#### 1.04 Submittals

A. Comply with Section 01 33 00 – Submittals

B. Submit manufacturer’s product data and application instructions.

#### 1.05 Delivery, Storage, and Handling

A. Deliver materials to site in manufacturer’s original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.

B. Store materials in a clean, dry area in accordance with manufacturer’s instructions.

C. Protect materials during handling and application to prevent damage.

#### 1.06 Environmental Requirements

A. Product not intended for permanent exposure to the elements.

B. Do not apply on frozen ground.

### PART 2 – PRODUCTS

#### 2.01 Manufacturer

Specifier Notes: This is an incomplete list of vapor barrier manufacturers. Edit the list of manufacturers to those available to work site location.
--

A. GSE Lining Technology, Inc., (800) 435-2008. [www.gseworld.com](http://www.gseworld.com)

B. Grace Construction Products, (800) 354-5414. [www.na.graceconstruction.com](http://www.na.graceconstruction.com)

C. Insulation Solutions, Inc., (866) 698-6562. [www.insulationsolutions.com](http://www.insulationsolutions.com)

D. Raven Industries, Inc., (800) 635-3456. [www.ravenind.com](http://www.ravenind.com)

- E. Reef Industries, Inc., (800) 231-6074. [www.reefindustries.com](http://www.reefindustries.com)
- F. Stego Industries LLC, (877) 464-7834. [www.stegoindustries.com](http://www.stegoindustries.com)
- G. Tremco, Inc., (800) 321-7906. [www.tremcosealants.com](http://www.tremcosealants.com)
- H. W.R. Meadows, Inc., (800) 342-5976. [www.wrmeadows.com](http://www.wrmeadows.com)
- I. Approved Equal.

## 2.02 Materials

- A. Plastic Vapor Barrier – Performance Based Specification

Specifier Notes: Specifier to revise based upon performance requirements.

Vapor barrier shall have the following characteristics:

1. Minimum Permeance: 0.1 perms
2. Minimum Tensile Strength: 30 lbf/in.
3. Minimum Puncture Resistance: 1700 grams
4. Minimum Thickness: 10 mils
5. ASTM E 1745-09 Class: B

- B. Plastic Vapor Barrier – Proprietary Based Specification

Specifier Notes: Specifier to identify manufacturer and product name / model.

## 2.03 Accessories

- A. Seam Tape – Adhesive or pressure-sensitive tape must have the same qualities as the vapor barrier and supplied by the same manufacturer. Minimum width: 4 inches.

## PART 3 – EXECUTION

### 3.01 Examination

- A. Examine surfaces to receive vapor barrier. Notify Architect / Engineer / Owner's Representative if surfaces are not acceptable. Do not begin surface preparation or application until acceptable conditions have been corrected.

### 3.02 Surface Preparation

- A. Prepare surfaces in accordance with manufacturer's instructions.

### 3.03 Application

- A. Installation shall be in accordance with manufacturer's instructions.
- B. Unroll vapor barrier with the longest dimension parallel with the direction of the pour.
- C. Lap vapor barrier over footings and seal to foundation walls.
- D. Overlap joints minimum of 6 inches and seal with manufacturer's tape.
- E. Seal all penetrations (including pipes) with vapor barrier material and seal tape.

### 3.04 Field Quality Control

- A. Testing and Inspecting: Contractor will engage a qualified testing and inspecting agency to perform field tests and inspections and to prepare test reports.
- B. Inspections: Installation of vapor barrier including sealing of joints and penetrations.

### 3.05 Repair

- A. Repair vapor barrier damaged with vapor barrier material or as instructed by the manufacturer.
- B. Lap beyond damaged areas a minimum of 6 inches and seal as prescribed for seam joints.

END OF SECTION 072616



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(925) 820-9391 - Fax (925) 837-4853 - [www.aquascienceengineers.com](http://www.aquascienceengineers.com)

December 6, 2013

REPORT  
Of  
ADDITIONAL SOIL, GROUNDWATER, AND SOIL VAPOR DATA GAP ASSESSMENT  
ASE JOB NO. 3831

At  
Former Oliver Salt Facility  
4150 Point Eden Way  
Hayward, California

Prepared by:  
AQUA SCIENCE ENGINEERS, INC.  
55 Oak Court, Suite 220  
Danville, CA 94526  
(925) 820-9391



Aqua Science Engineers, Inc. 55 Oak Court, Suite 220, Danville, CA 94526  
(925) 820-9391 - Fax (925) 837-4853 - www.aquascienceengineers.com

## **1.0 INTRODUCTION**

This report presents the methods and findings of Aqua Science Engineers, Inc. (ASE)'s soil, groundwater and soil vapor assessment at the former Oliver Salt facility located at 4150 Point Eden Way in Hayward, California (Figures 1 and 2). This report was prepared for Mr. Morey Greenstein, trustee for the responsible party, to obtain data required to consider case closure under the new California Regional Water Quality Control Board (RWQCB) "Low-Threat Underground Storage Tank Closure Policy" guidelines. The scope of work for this assessment was presented is ASE's "Workplan for Additional Soil, Groundwater and Soil Vapor Assessment and Updated Site Conceptual Model to Satisfy RWQCB Additional Data Requests for Completion of Low Threat Case Closure Evaluation" dated October 11, 2013. This workplan was approved by the RWQCB in their letter dated October 29, 2013. The work was performed on October 31 and November 1, 2013. The planned samples were collected and analyzed by a state certified laboratory. There were no data quality problems. Overall, the groundwater samples showed that delineation of hydrocarbons in groundwater is complete, the soil samples showed that delineation of hydrocarbons in soil is complete, and the soil vapor samples showed that the hydrocarbon concentrations and oxygen concentrations in soil vapor meet the criteria for a bioattenuation zone.

This report presents data from the drilling and analytical portion of the assessment. An additional report will follow describing the hydrogeologic analysis and modeling to complete the work described in the workplan.

## **2.0 SCOPE OF WORK (SOW)**

In our July 17, 2013 meeting, the RWQCB listed the following items that needed to be addressed for processing of case closure under the RWQCB Low-Threat Closure Policy:

- a) Lateral extent of soil and groundwater contamination needs to be better defined to the west.
- b) Depth of groundwater contamination needs to be better defined.
- c) Effect of residual contamination in groundwater to the adjacent wetlands and water supply well north of the site needs to be evaluated.
- d) Residual hydrocarbon concentrations in groundwater must be shown to be stable.
- e) Soil vapor survey analyses lack naphthalene data.
- f) Demonstration of 5-foot bioattenuation zone is needed.
- g) Direct contact to utility workers needs to be addressed in a soil management plan.

This report describes the scope of work for tasks 1 through 9 of the 13 tasks described in ASE's October 11, 2013 workplan, which satisfy items a, b, e, f, and g above. The second report will address items c and d. A brief description of the proposed scope of work is as follows:

- 1) Obtain a drilling permit from the Alameda County Public Works Agency.



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- 2) In order to satisfy the RWQCB's request for additional data demonstrating the vertical extent of contamination, drill two soil borings using Cone Penetration Testing (CPT) to a depth of approximately 60-feet to identify permeable water-bearing zones to target using a Hydropunch.
- 3) Collect water samples from borings adjacent to the CPT locations from targeted depths using a Hydropunch.
- 4) In order to satisfy the RWQCB's request for more data to substantiate the lateral extent of contamination, drill three soil borings near the western property line.
- 5) In order to satisfy the RWQCB's request for data to substantiate a 5-foot bioattenuation zone, drill three soil borings in the former in-situ treatment area and collect two soil samples per boring for analysis.
- 6) Analyze soil and groundwater samples collected from the borings described in #3, #4 and #5 for total petroleum hydrocarbons as gasoline (TPH-G), benzene, toluene, ethyl benzene, and total xylenes (collectively known as BTEX), and MTBE.
- 7) In order to satisfy the RWQCB's request for naphthalene data in soil vapor, drill two soil borings to a depth of approximately 5-feet bgs and collect soil vapor samples for analysis.
- 8) Analyze each soil vapor sample at a CAL-EPA certified analytical laboratory for naphthalene, carbon dioxide, oxygen, nitrogen, methane and helium.
- 9) Backfill each boring with neat cement.

Details of the assessment are presented below.

### **3.0 OBTAIN A DRILLING PERMIT FROM THE ALAMEDA COUNTY PUBLIC WORKS AGENCY**

Prior to drilling, ASE obtained a drilling permit from the Alameda County Public Works Agency. A copy of this permit is presented in Appendix A. ASE also notified Underground Service Alert (USA) to have public underground utility lines marked in the site vicinity 48-hours prior to drilling.

### **4.0 DRILL TWO BORINGS AT THE SITE TO A DEPTH OF 60-FEET BELOW GROUND SURFACE USING A CPT**

On October 31, 2013, Gregg Drilling of Martinez, California drilled two borings to a depth of 60-feet below ground surface (bgs) using a CPT. The purpose of the CPT borings was to identify permeable water-bearing zones in these locations in order to collect water samples from deeper permeable zones. The CPT lithology logs are presented in Appendix B. In general, the CPT shows predominantly low permeability soils (clay, silty clay and clayey silt) in both borings. The exceptions to the low-permeability soil in CPT-1 was a zone from 22 to 27 feet bgs and a



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zone from 54 to 58-feet bgs. The zone screened for the on-site monitoring wells in most of the site wells was classified by the CPT as organic soil from 4 to 10 feet bgs.

In boring CPT-2, a higher permeability zone was present from 54 to 55-feet bgs. The zone screened for the on-site monitoring wells in most of the site wells was classified by the CPT as sensitive fine grained from 8 to 10-feet bgs.

For both borings, the zone from 54 to 58-feet bgs was targeted for subsequent groundwater sampling with a Hydropunch.

## **5.0 COLLECT WATER SAMPLES FROM A BORING ADJACENT TO EACH CPT BORING USING A HYDROPUNCH**

On October 31, 2013, Gregg Drilling of Martinez, California drilled a boring adjacent to each CPT boring for the collection of groundwater samples from a targeted permeable zone using a Hydropunch sampler. The Hydropunch was driven to the base of the targeted 58-foot sampling zone and was then checked to verify that there was no leakage of groundwater into the rods prior to opening. Once the rods were shown to be dry, the Hydropunch screen was opened 4-feet and groundwater was allowed to enter the rods. Groundwater samples were then collected from within the rods using a bailer. Groundwater samples were decanted from the bailer into 40-ml volatile organic analysis (VOA) vials, preserved with hydrochloric acid and sealed without headspace. The samples were then labeled with the site location, sample designation, date and time the samples were collected, and the initials of the person collecting the samples. The samples were then sealed in plastic bags and cooled in an ice chest with wet ice for transport to McCampbell Analytical, Inc. of Pittsburg, California (DHS ELAP certification #1644) under chain-of-custody. The samples were labeled the same name as the adjacent CPT boring. There was no evidence of contamination in either of the water samples based on odors or discoloration.

Drilling equipment was cleaned with an Alconox solution between borings to prevent potential cross-contamination. Following collection of the groundwater samples, each boring was backfilled with neat cement to the ground surface.

It should be noted that although an effort was made to avoid potential cross-contamination of samples, the Hydropunch had to travel through a shallower zone where contaminated groundwater was present to reach the deeper targeted sampling zone. Therefore, the presence of low concentrations of hydrocarbons in these deeper zones could be an artifact of the Hydropunch traveling through a more contaminated zone to reach the deeper zone and thus cross-contaminating the deeper samples.

## **6.0 DRILL THREE SOIL BORINGS IN THE WESTERN PORTION OF THE SITE FOR COLLECTION OF SOIL AND GROUNDWATER SAMPLES**

### 6.1 Drilling and Soil Sample Collection

On November 1, 2013, Gregg Drilling of Martinez, California drilled soil borings BH-75 through BH-77 at the site using a Geoprobe hydraulic sampling rig. All of these borings were drilled



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near the western property boundary to complete the lateral definition of the extent of hydrocarbons. The boring locations are shown on Figure 3. ASE senior geologist Robert E. Kitay, P.G. directed the drilling.

Undisturbed soil samples were collected continuously as drilling progressed for lithologic and hydrogeologic description and for possible chemical analysis. The samples were collected by driving a sampler lined with acetate tubes using hydraulic direct push methods. Selective soil samples were immediately cut, sealed with Teflon tape and plastic end caps, labeled and chilled in an ice chest with wet ice for transport to McCampbell Analytical, Inc. of Pittsburg, California (DHS ELAP certification #1644) under chain of custody documentation.

Soil from the remaining tubes was described by the site geologist using the Unified Soil Classification System (USCS) and was screened for volatile compounds using a PID. The soil was screened by emptying soil from one of the sample tubes into a plastic bag. The bag was then sealed and placed in the sun for approximately 10 minutes. After the VOCs were allowed to volatilize, the PID measured the vapor in the bag through a small hole punched in the bag. PID readings are used as a screening tool only, since the procedures are not as rigorous as those used in the laboratory. The PID readings are shown on the boring logs presented in Appendix C.

## 6.2 Groundwater Sample Collection

A temporary PVC well casing was driven into place for the collection of groundwater samples from each of these borings. Groundwater samples were collected from each boring with a new polyethylene bailer. Groundwater samples were decanted from the bailer into 40-ml VOA vials, preserved with hydrochloric acid and sealed without headspace. The samples were then labeled with the site location, sample designation, date and time the samples were collected, and the initials of the person collecting the samples. The samples were then sealed in plastic bags and cooled in an ice chest with wet ice for transport to McCampbell Analytical, Inc. under chain-of-custody.

## 6.3 Decontamination and Borehole Backfilling

Drilling equipment was cleaned with an Alconox solution between sampling intervals and between borings to prevent potential cross-contamination. Following collection of the soil and groundwater samples, each boring was backfilled with neat cement to the ground surface.

## 6.4 Subsurface Lithology and Hydrogeology

With some variation, sediments encountered during drilling generally consisted of clayey silt from the surface to approximately 6-feet bgs, sandy silt from 6 to approximately 8-feet bgs, silty sand from 8 to approximately 11-feet bgs, and clay from 11-feet to the total depth of the borings of 16-feet bgs. Groundwater was encountered at approximately 8-feet bgs. Boring logs are presented as Appendix C.



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## **7.0 DRILL THREE SOIL BORINGS IN THE FORMER IN-SITU TREATMENT AREA FOR COLLECTION OF SOIL SAMPLES**

On November 1, 2013, Gregg Drilling of Martinez, California drilled soil borings BH-78 through BH-80 using a Geoprobe hydraulic sampling rig. All of these borings were drilled in the former in-situ treatment area. The boring locations are shown on Figure 3. ASE senior geologist Robert E. Kitay, P.G. directed the drilling.

Undisturbed soil samples were collected continuously as drilling progressed by driving a sampler lined with acetate tubes using hydraulic direct push methods. Selective soil samples (approximately 2-foot bgs and 4-foot bgs) were immediately cut, sealed with Teflon tape and plastic end caps, labeled and chilled in an ice chest with wet ice for transport to McCampbell Analytical, Inc. of Pittsburg, California (DHS ELAP certification #1644) under chain of custody documentation.

All sampling equipment was cleaned in buckets with brushes and an Alconox solution, and then rinsed twice with tap water. Rinsates were contained on-site in a 55-gallon steel drum for future disposal.

## **8.0 ANALYZE THE SOIL SAMPLES**

In borings BH-75 through BH-77 near the western property boundary, one soil sample collected from the capillary zone (between 7.5 and 8-foot bgs) was analyzed by McCampbell Analytical, Inc. of Pittsburg, California (DHS ELAP certification #1644) for TPH-D by modified EPA Method 8015 and TPH-G, BTEX, and MTBE by EPA Method 8260B.

In addition, two soil samples (depths of approximately 2 and 4-foot bgs) from each of the borings in the former in-situ treatment area (borings BH-78 through BH-80) were analyzed by McCampbell Analytical for TPH-D by modified EPA Method 8015 with silica gel cleanup and TPH-G, BTEX, and MTBE by EPA Method 8260B.

The analytical results are tabulated in Table One, and the certified analytical report and chain of custody forms are included in Appendix D.

None of the hydrocarbon concentrations detected in any of the six soil borings drilled during this portion of the assessment (both near the western property boundary and in the in-situ treatment area) exceeded Environmental Screening Levels (ESLs) for sites where groundwater is not a current or potential source of drinking water regardless of land use. These ESLs are presented in Table B of the “Screening for Environmental Concerns at Sites With Contaminated Soil and Groundwater” document prepared by the California Regional Water Quality Control Board, San Francisco Bay Region (RWQCB) dated May 2013. In addition, in the soil samples collected from the former in-situ treatment area, none of the total petroleum hydrocarbons concentrations (gasoline plus diesel) exceeded 100 parts per million (ppm). This indicates that the total petroleum hydrocarbons in the top 5-feet of soil meet the less than 100 ppm TPH criteria for a bioattenuation zone as defined in the RWQCB Low-Threat Closure Policy.



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The analytical results for soil were also compared to Direct Exposure Soil Screening Levels – Construction/Trench Worker Exposure Scenario. These screening levels are presented in Table K-3 of the “Screening for Environmental Concerns at Sites With Contaminated Soil and Groundwater” document prepared by the RWQCB dated May 2013. None of the hydrocarbon concentrations detected exceeded a screening level. ASE also reviewed all historical hydrocarbon concentrations in soil at the site and compared them to the construction/trench worker exposure screening levels. The only historical soil sample to exceed a screening level was the soil sample collected from 8.0-foot bgs in boring BH-2 collected in 2002, where the TPH-G concentration of 2,000 ppm exceeded the screening level of 1,800 ppm. However, this boring was located in the in-situ treatment area, has been remediated, and those results no longer represent current site conditions. Current soil conditions beneath the site meet the RWQCB requirements for case closure and do not appear to present a threat to construction/trench workers at the site.

Current and historic TPH-G concentrations in soil shallower than 10-foot bgs are also shown, and the extent of TPH-G exceeding 10 ppm is contoured on Figure 4. Note that TPH-G concentrations in soil samples collected in areas that were subsequently remediated are not included on this map, as those data points do not represent current site conditions. If more than one sample was collected in depths shallower than 10-foot bgs, the highest concentration was used for the map. Since only two historic benzene concentrations in areas not subsequently remediated exceeded ESLs, only those two points are shown on Figure 5. Historical data used on these maps is tabulated in the tables in Appendix G. Note that data collected from borings in the remediation areas prior to the remediation, and therefore not representative of current conditions, is highlighted on these tables in grey.

## **9.0 ANALYZE THE GROUNDWATER SAMPLES**

Groundwater samples collected from BH-75 through BH-77 near the western property boundary and from a depth of 54 to 58-foot bgs in borings CPT-1 and CPT-2 were analyzed by McCampbell Analytical, Inc. of Pittsburg, California (DHS ELAP certification #1644) for TPH-D by modified EPA Method 8015 with silica gel cleanup and TPH-G, BTEX, and MTBE by EPA Method 8260B.

The analytical results are tabulated in Table Two, and the certified analytical report and chain of custody forms are included in Appendix E.

No hydrocarbons were detected in any of the groundwater samples collected from borings BH-75 through BH-77 near the western property boundary. This indicates that the lateral extent of hydrocarbons is now completely defined, and meets the criteria for case closure under the RWQCB Low-Threat Closure Policy.

Relatively low benzene, toluene, and total xylene concentrations were detected in the groundwater samples collected from 54 to 58-foot bgs in borings CPT-1 and CPT-2. All of these concentrations were below Environmental Screening Levels (ESLs) for sites where groundwater is not a current or potential source of drinking water. This indicates that the vertical extent of hydrocarbons is now adequately defined, and meets the criteria for case closure under the



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RWQCB Low-Threat Closure Policy. Also, as previously noted it is possible that the low hydrocarbon concentrations detected in these deeper samples could be an artifact of the Hydropunch having to pass through a more contaminated shallow water-bearing zone to reach the targeted deeper permeable zone. As a result, not only are the detected hydrocarbon concentrations in these water samples below non-drinking water ESLs, but they may in fact be even lower or non-detectable hydrocarbon concentrations.

Current and historic TPH-G and benzene concentrations in groundwater shallower than 20-feet bgs are shown and the extent contoured on Figures 6 and 7, respectively. Note that hydrocarbon concentrations in groundwater samples collected in areas that were subsequently remediated are not included on this map, as those data points do not represent current site conditions. Historical data used on these maps is tabulated in the tables in Appendix G. Note that data collected from borings in the remediation areas prior to the remediation, and therefore not representative of current conditions, is highlighted on these tables in grey.

## 10.0 COLLECT SOIL VAPOR SAMPLES

Prior to conducting the project, ASE verified that there was no significant rainfall (no more than ¼-inch) for 5 days prior to the soil vapor sampling. There were no nearby irrigation systems.

On November 1, 2013, Gregg Drilling pushed soil vapor points SVS-5 and SVS-6 to a depth of 5-feet bgs using a Geoprobe hydraulic sampling rig. The sampling locations are shown on Figure 3, and are located in the former in-situ chemical oxidation remediation area on the eastern portion of the site. ASE senior geologist Robert E. Kitay, P.G. directed the drilling. The initial location for SVS-6 showed water on the bottom couple inches of the rod. Therefore, a new location was chosen for SVS-6 farther to the west within the former in-situ treatment area.

The bottom of each rod contained an expendable point. Once at depth, ¼" Teflon tubing with a 1-inch screen was inserted inside the drive rod. The drive rod was then retracted approximately 6-inches separating the expendable point and the rods and creating the desired void for the sample collection membrane. Sand was then added to fill the void to 6-inches above the sample point. Above the sand, 6-inches of dry granulated bentonite was added followed by hydrated bentonite to the surface to prevent ambient air intrusion into the borehole.

The borehole was then allowed to equilibrate two hours prior to purging and sampling. A "vacuum shut in test" was then conducted to verify there were no leaks in the sample train system. A minimum vacuum of 100-inches of water column was applied to the sampling manifold and valve system between the Summa canister and the probe for at least 5 minutes with all valves closed. A vacuum of 100-inches of water was maintained during the test for both points.

For the sampling, the sampling probe and Summa canister were placed in a plastic shroud. Helium was then added to the shroud as a tracer gas at a minimum concentration of 25% by volume. The tubing was then purged of at least three volumes to insure that all ambient air was removed from the tubing using a 5-liter Summa canister. The sample was then collected in a 1-liter Summa canister with a rate between 100 to 200-ml per minute and at a vacuum of less than



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100-inches of water. The samples were labeled with the site location, sample designation, date and time the samples are collected, and the initials of the person collecting the sample. The samples were delivered under chain of custody to a CAL-EPA certified analytical laboratory for analysis.

All disposable equipment and supplies were discarded and non-disposable equipment was cleaned with an Alconox solution and triple rinsed.

## **11.0 ANALYTICAL RESULTS FOR SOIL VAPOR SAMPLES**

Each vapor sample was analyzed by McCampbell Analytical for naphthalene by EPA Method TO-15 and oxygen, carbon dioxide, methane and helium by ASTM D1946. A nitrogen analysis was originally planned but could not be conducted by the laboratory since the laboratory pressurizes their Summa canisters with nitrogen. The analytical results are tabulated in Table Three, and the certified analytical report and chain of custody form are included in Appendix F. Helium was detected in the samples at 0.034% and 2.3%, both of which are within the acceptable 10% range for the samples to be considered valid.

No naphthalene was detected in either sample and the reporting limits were in the acceptable range of 93,000 ug/m<sup>3</sup> (residential) and 310,000 ug/m<sup>3</sup> (commercial/industrial) for consideration for the RWQCB Low-Risk Soil Gas Criteria with a bioattenuation zone. The oxygen concentration also meets the criteria for a bioattenuation zone.

Hydrocarbon, naphthalene, oxygen and TPH concentrations all meet the criteria specified for a bioattenuation zone in the RWQCB Low-Risk Closure Policy.

## **12.0 CONCLUSIONS**

### 12.1 Lateral Extent of Hydrocarbon Definition

The lateral extent of hydrocarbons in both soil and groundwater are now fully defined. None of the soil samples collected from borings BH-75 through BH-77 contained hydrocarbons above ESLs. In addition, no hydrocarbons were detected in groundwater samples collected from any of these three borings. The hydrocarbon plume is limited to the site and currently does not impact any adjacent surface waters, wetlands, or water supply wells. The hydrocarbon plume now appears fully defined and meets the criteria for case closure under the RWQCB Low-Threat Case Closure Policy.

### 12.2 Definition of the Vertical Extent of Hydrocarbons

Borings CPT-1 and CPT-2 showed predominantly low permeability soils to a depth of 60-feet bgs. A small permeable zone was identified between 54 and 58-feet bgs. Groundwater samples were collected from this zone using a Hydropunch. Although very low hydrocarbon concentrations were detected in groundwater samples from this zone in both of the borings, none of the hydrocarbon concentrations exceeded non-drinking water ESLs. It is also possible that even the low hydrocarbon concentrations detected may be an artifact of the Hydropunch



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traveling through a shallower contaminated zone in order to reach the deeper targeted sampling zone. In any event, the vertical extent of hydrocarbons has been defined to below non-drinking water ESLs, and the site now meets the criteria for case closure under the RWQCB Low Threat Case Closure Policy.

### 12.3 Naphthalene Data in Soil Vapor Beneath the Site

Two soil vapor points, SVS-5 and SVS-6, were placed in the former in-situ treatment area to a depth of 5-feet bgs and soil vapor samples were collected and analyzed for naphthalene by EPA Method TO-15. No naphthalene was detected. These results show that the site now meets the criteria for case closure under the RWQCB Low Threat Case Closure Policy.

### 12.4 Demonstration of 5-Foot Bioattenuation Zone Beneath the Site

Three borings, BH-78 through BH-80, were drilled across the former in-situ treatment area and soil samples were collected from depths of approximately 2 and 4-feet bgs in all three of these borings. In all six soil samples, the total petroleum hydrocarbons (gasoline plus diesel combined) were below 100 ppm as required for a bioattenuation zone under the RWQCB Low-Threat Case Closure Policy. The oxygen concentration in all of the soil vapor samples collected exceeds the 4% minimum required for a bioattenuation zone.

### 12.5 Evaluate Direct Contact of Utility Workers to Contaminated Soil

The analytical results for soil were compared to Direct Exposure Soil Screening Levels – Construction/Trench Worker Exposure Scenario. These screening levels are presented in Table K-3 of the “Screening for Environmental Concerns at Sites With Contaminated Soil and Groundwater” document prepared by the RWQCB dated May 2013. None of the hydrocarbon concentrations detected during this assessment exceeded a screening level. ASE also reviewed all historical hydrocarbon concentrations in soil at the site and compared them to the construction/trench worker exposure screening levels. The only historical soil sample to exceed a screening level was the soil sample collected from 8.0-feet bgs in boring BH-2 collected in 2002, where the TPH-G concentration of 2,000 ppm exceeded the screening level of 1,800 ppm. However, this boring was located in the in-situ treatment area, has since been remediated, and those results no longer represent current site conditions. Current soil conditions beneath the site meet the RWQCB requirements for case closure and do not appear to present a threat to construction/trench workers at the site.

## **13.0 RECOMMENDATIONS**

A separate report will follow within the next 45 days that evaluates the two requirements for Low-Threat Case Closure not covered in this report. Those items are:

- Effect of residual contamination in groundwater to the adjacent wetlands and water supply well north of the site,
- Residual hydrocarbon concentrations in groundwater must be shown to be stable.



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(925) 820-9391 - Fax (925) 837-4853 - [www.aquascienceengineers.com](http://www.aquascienceengineers.com)

## **14.0 REPORT LIMITATIONS**

The opinions and conclusions presented in this report are based upon the scope of services, information obtained through the performance of the services, and the schedule as agreed upon by ASE and the party for whom this report was originally prepared. The report is an instrument of professional services and was prepared in accordance with the generally accepted standards and level of skill and care under similar conditions and circumstances established by the environmental consulting industry. No representations, warranty, or guarantee, expressed or implied, is intended or given. To the extent that ASE relied upon any information prepared by other parties, ASE makes no representation as to the accuracy or completeness of such information. This report is expressly for the sole and exclusive use of the party for whom this report was originally prepared for a particular purpose. Only the party for whom this report was originally prepared has the right to make use of and rely upon this report. Reuse of this report or any portion thereof for other than its intended purpose, or if modified, or if used by third parties, shall be at the user's sole risk.

Results of any investigation or testing and any findings presented in this report apply solely to conditions existing at the time when ASE's investigative work was performed. It must be recognized that any such investigative or testing activities are inherently limited and do not represent a conclusive or complete characterization. Conditions in other parts of the project site may vary from those locations where data were collected. ASE's ability to interpret investigation results is related to the availability of the data and the extent of the investigational activities. As such, 100% confidence in environmental investigation conclusions cannot be reasonably achieved.

ASE therefore does not provide any guarantees, certifications, or warranties regarding any conclusions regarding environmental contamination of any such property. Furthermore, nothing contained in this document shall relieve any other party of its responsibility to abide by contract documents and applicable laws, codes, regulations, or standards.



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(925) 820-9391 - Fax (925) 837-4853 - www.aquascienceengineers.com

Aqua Science Engineers appreciates the opportunity provide environmental consulting services for this project. Should you have any questions or comments, please feel free to call us at (925) 820-9391.

Respectfully submitted,

AQUA SCIENCE ENGINEERS, INC.

A handwritten signature in black ink that reads "Robert E. Kitay". The signature is written in a cursive style with a long horizontal stroke at the end.



Robert E. Kitay, P.G.  
Senior Geologist

Attachments: Figures 1 through 7  
Tables One through Three  
Appendices A through G



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## **FIGURES**



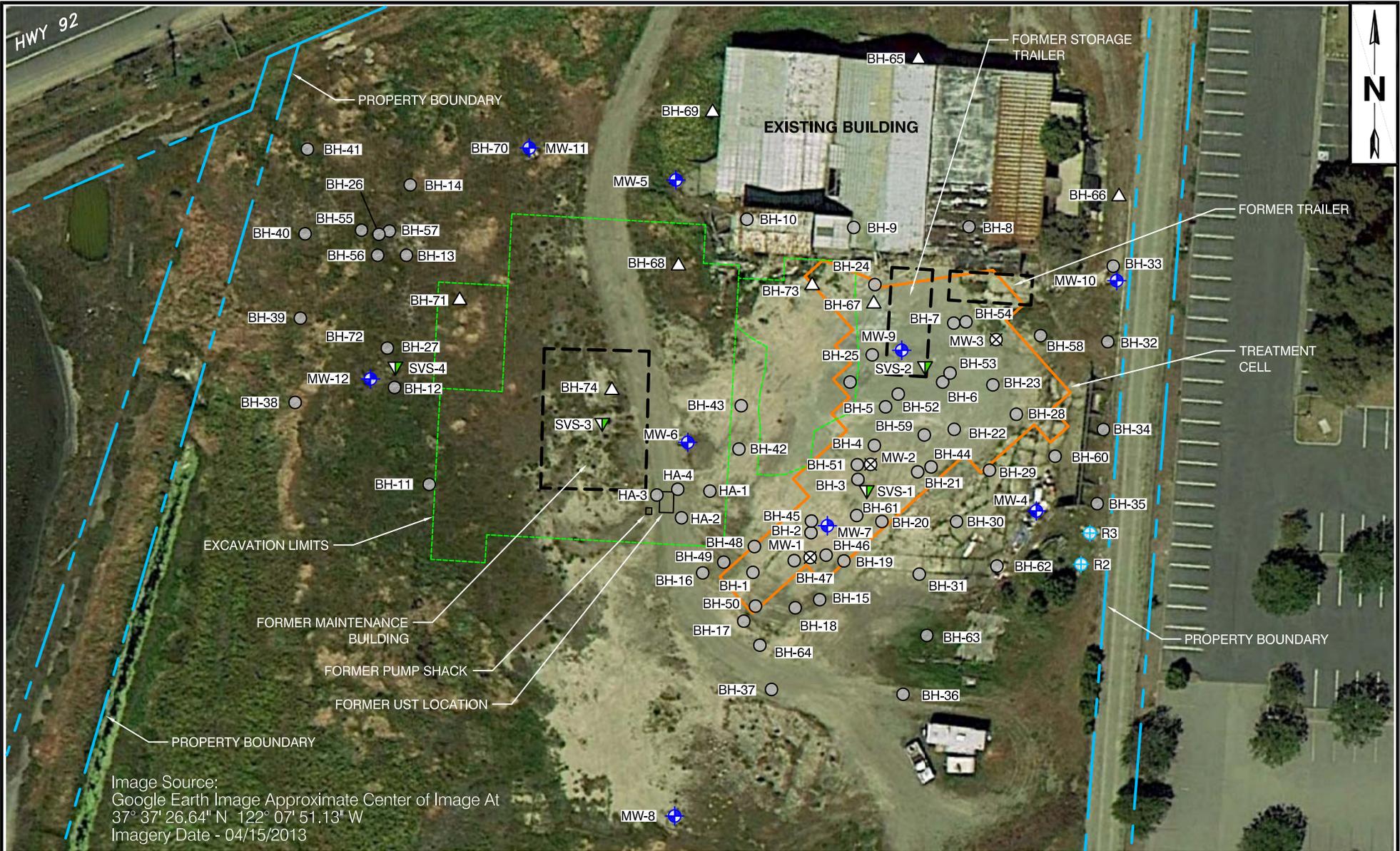
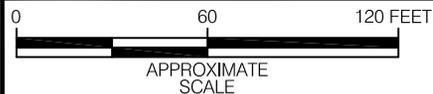


Image Source:  
 Google Earth Image Approximate Center of Image At  
 37° 37' 26.64" N 122° 07' 51.13" W  
 Imagery Date - 04/15/2013



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 Danville, CA 94526



**EXPLANATION BLOCK**

- BH-74 ▲ DEEPER SOIL BORING
- MW-12 ⊕ EXISTING MONITORING WELL
- MW-3 ⊗ DESTROYED MONITORING WELL (DURING LANG TOOL TREATMENT)
- BH-42 ○ SOIL BORING
- R3 ⊕ FORMER WATER SUPPLY WELL

SVS-4 ▼ SOIL VAPOR SURVEY LOCATION

**SITE LAYOUT AND FEATURES**

FORMER OLIVER SALT PLANT  
 4150 POINT EDEN WAY  
 HAYWARD, CALIFORNIA

PE/PG <b>JWJ</b>	Project Number <b>OOSW</b>	Figure <b>2</b>
Project Manager <b>RK</b>	Drafter <b>CM</b>	
		Date <b>12/06/2013</b>

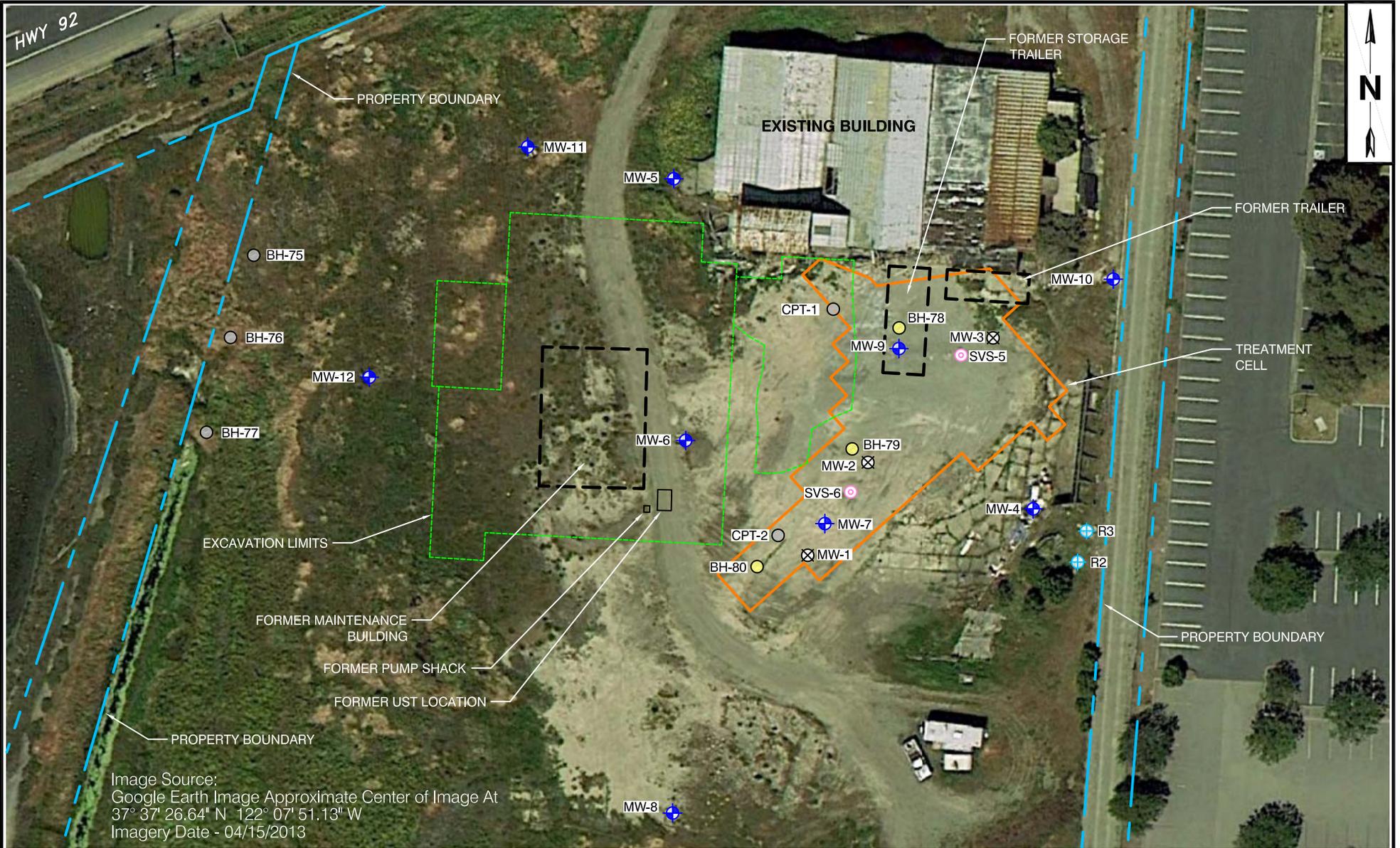
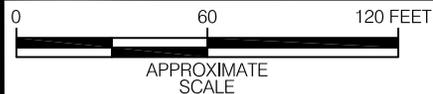


Image Source:  
 Google Earth Image Approximate Center of Image At  
 37° 37' 26.64" N 122° 07' 51.13" W  
 Imagery Date - 04/15/2013



55 Oak Court, Suite 220  
 Danville, CA 94526



**EXPLANATION BLOCK**

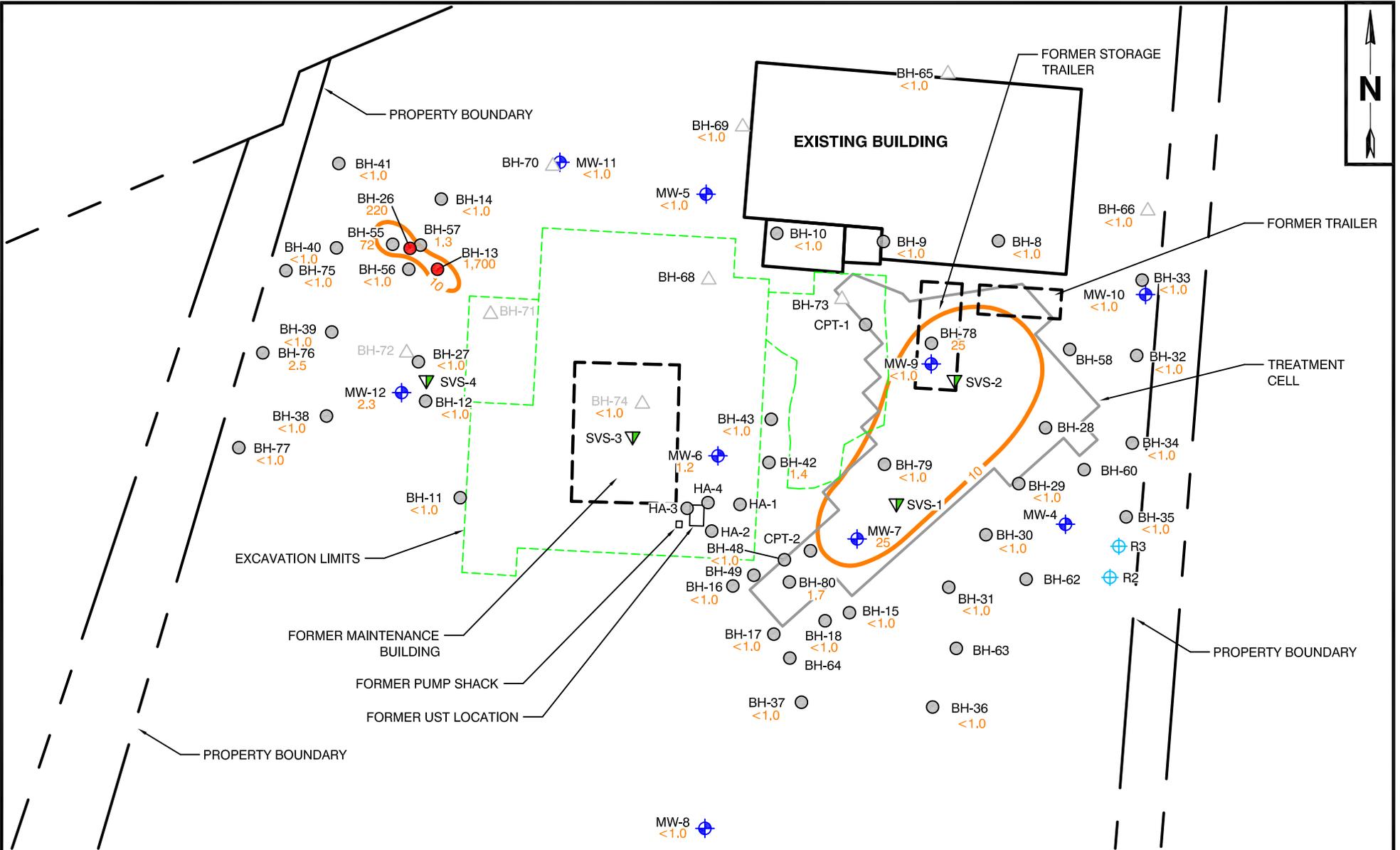
- BH-80 ● BORING LOCATIONS SOIL ONLY
- MW-12 ⊕ EXISTING MONITORING WELL
- MW-3 ⊗ DESTROYED MONITORING WELL (DURING LANG TOOL TREATMENT)
- BH-76 ○ SOIL BORING
- SVS-6 ⊙ SOIL VAPOR LOCATION

R3 ⊕ FORMER WATER SUPPLY WELL

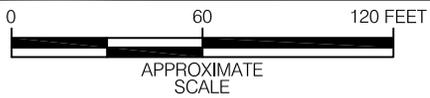
**BORING LOCATIONS FOR  
 WORK COMPLETED DURING  
 THIS ASSESSMENT**

FORMER OLIVER SALT PLANT  
 4150 POINT EDEN WAY  
 HAYWARD, CALIFORNIA

PE/PG <b>JWJ</b>	Project Number <b>OOSW</b>	Figure <b>3</b>
Project Manager <b>RK</b>	Drafter <b>CM</b>	
		Date <b>12/06/2013</b>



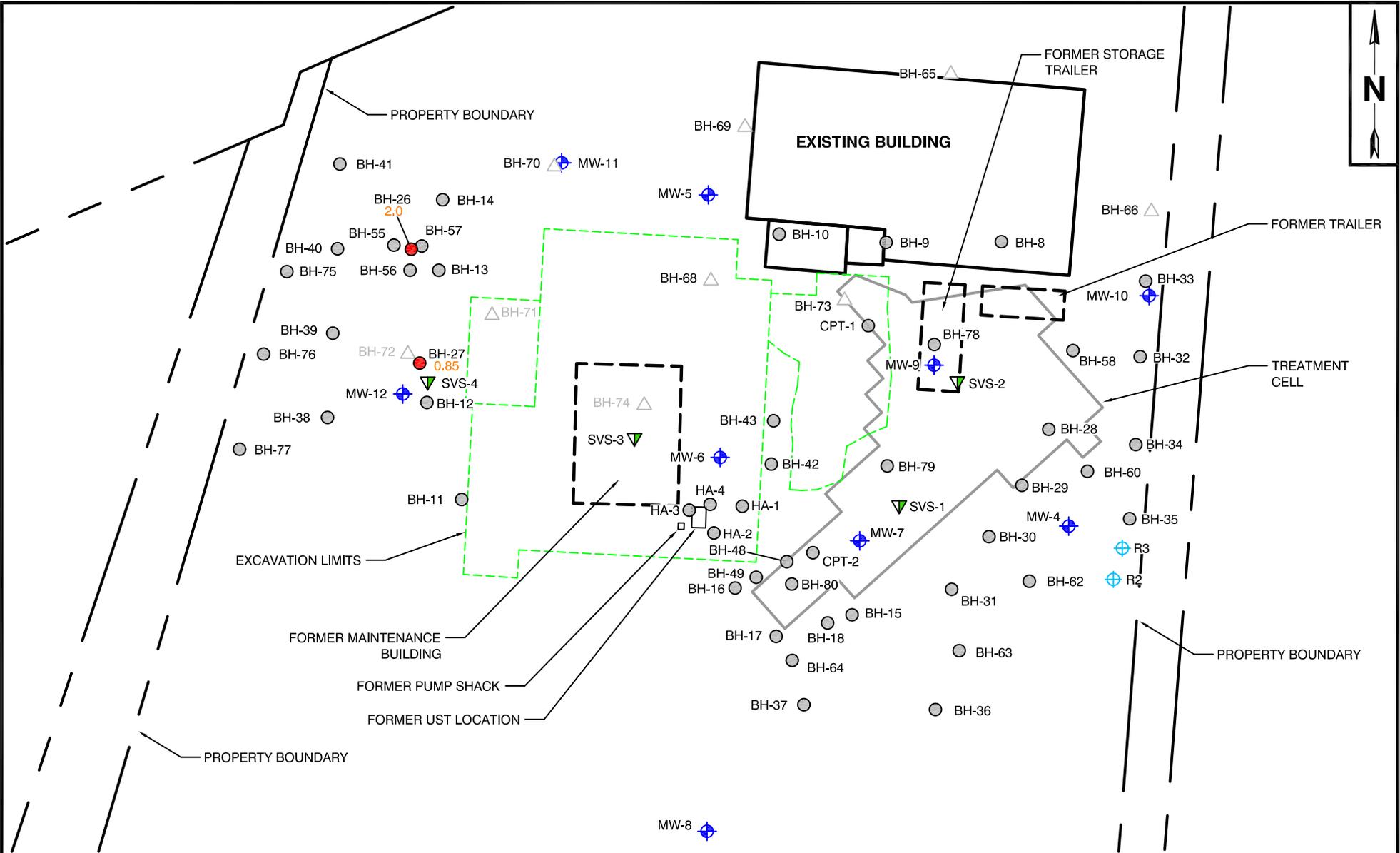
55 Oak Court, Suite 220  
Danville, CA 94526



EXPLANATION BLOCK	
	TPH-G ISOCONTOUR IN PPM
	BH-74 DEEPER SOIL BORING
	MW-12 EXISTING MONITORING WELL
	MW-3 DESTROYED MONITORING WELL (DURING LANG TOOL TREATMENT)
	BH-42 SOIL BORING

	BH-27 PREVIOUS SOIL BORING - CONCENTRATIONS PREVIOUSLY EXCEED ESL; SHOWN TO NO LONGER BE IMPACTED BY LATER BORINGS
	R3 FORMER WATER SUPPLY WELL
	SVS-4 SOIL VAPOR SURVEY LOCATION
<b>Note:</b> Data for borings in the remediation area collected prior to remediation not included on this map.	

EXTENT OF TPH-G EXCEEDING 10 PPM IN SOIL 10-FEET OR SHALLOWER		
FORMER OLIVER SALT PLANT 4150 POINT EDEN WAY HAYWARD, CALIFORNIA		
PE/PG <b>JWJ</b>	Project Number <b>OOSW</b>	Figure <b>4</b>
Project Manager <b>RK</b>	Drafter <b>CM</b>	Date <b>12/06/2013</b>



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0 60 120 FEET  
APPROXIMATE SCALE

**EXPLANATION BLOCK**

BH-74 $\triangle$	DEEPER SOIL BORING
MW-12 $\oplus$	EXISTING MONITORING WELL
MW-3 $\boxtimes$	DESTROYED MONITORING WELL (DURING LANG TOOL TREATMENT)
BH-42 $\odot$	SOIL BORING
SVS-4 $\nabla$	SOIL VAPOR SURVEY LOCATION

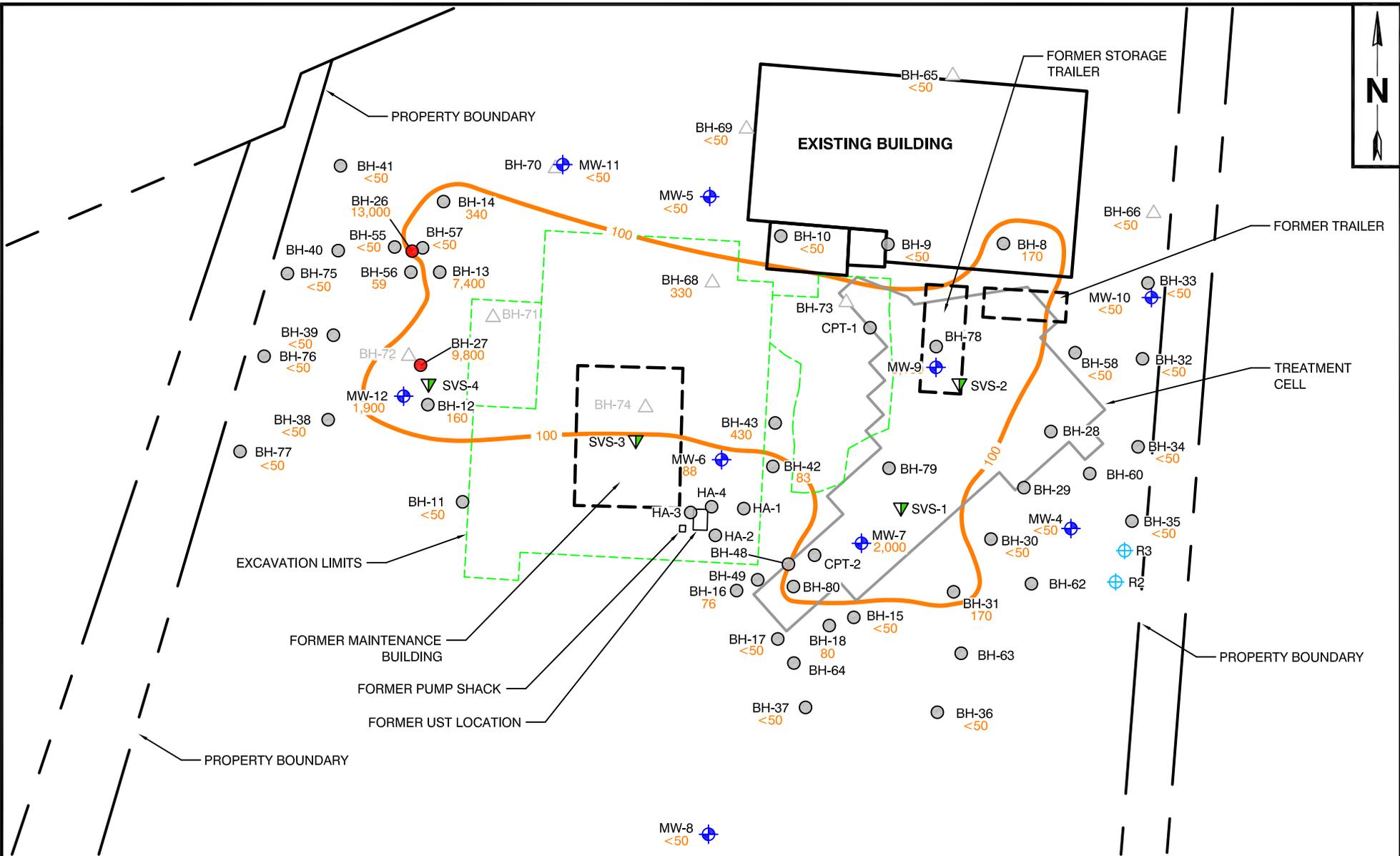
BH-27 $\bullet$	PREVIOUS SOIL BORING - CONCENTRATIONS PREVIOUSLY EXCEED ESL; SHOWN TO NO LONGER BE IMPACTED BY LATER BORINGS
R3 $\opl�$	FORMER WATER SUPPLY WELL

**Note:**  
Data for borings in the remediation area collected prior to remediation not included on this map.

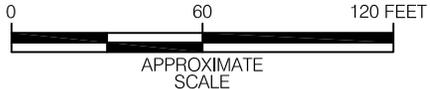
**BENZENE CONCENTRATIONS IN SOIL SHALLOWER THAN 10- FEET THAT HISTORICALLY EXCEED ESL**

FORMER OLIVER SALT PLANT  
4150 POINT EDEN WAY  
HAYWARD, CALIFORNIA

PE/PG <b>JWJ</b>	Project Number <b>OOSW</b>	Figure <b>5</b>
Project Manager <b>RK</b>	Drafter <b>CM</b>	
Date <b>12/06/2013</b>		



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- EXPLANATION BLOCK**
- TPH-G CONCENTRATIONS OVER 100 PPB
  - BH-74  $\Delta$  DEEPER SOIL BORING
  - MW-12  $\oplus$  EXISTING MONITORING WELL
  - MW-3  $\boxtimes$  DESTROYED MONITORING WELL (DURING LANG TOOL TREATMENT)
  - BH-42  $\circ$  SOIL BORING

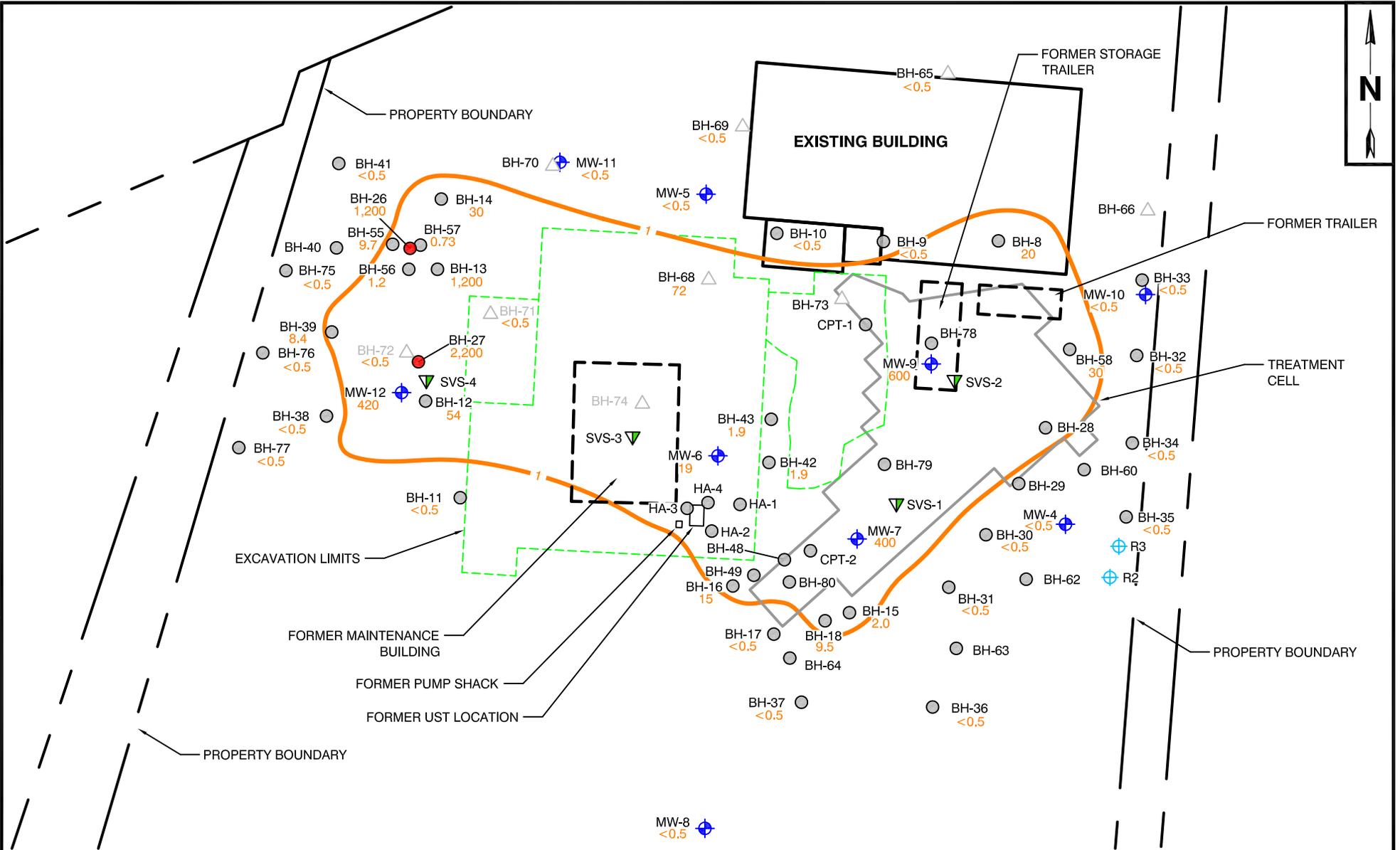
- BH-27  $\bullet$  PREVIOUS SOIL BORING - CONCENTRATION SUBSEQUENTLY SHOWN TO BE LOWER BASED ON MORE RECENT DATA
- R3  $\oplus$  FORMER WATER SUPPLY WELL
- SVS-4  $\nabla$  SOIL VAPOR SURVEY LOCATION

**Note:**  
Data for borings in the remediation area collected prior to remediation not included on this map.

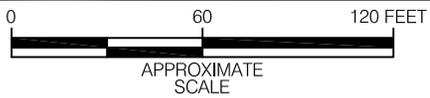
**EXTENT OF TPH-G EXCEEDING 100 PPB IN SHALLOW GROUNDWATER**

FORMER OLIVER SALT PLANT  
4150 POINT EDEN WAY  
HAYWARD, CALIFORNIA

PE/PG <b>JWJ</b>	Project Number <b>OOSW</b>	Figure <b>6</b>
Project Manager <b>RK</b>	Drafter <b>CM</b>	
		Date <b>12/06/2013</b>



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- EXPLANATION BLOCK**
- TPH-G CONCENTRATIONS OVER 1 PPB
  - BH-74  $\Delta$  DEEPER SOIL BORING
  - MW-12  $\oplus$  EXISTING MONITORING WELL
  - MW-3  $\boxtimes$  DESTROYED MONITORING WELL (DURING LANG TOOL TREATMENT)
  - BH-42  $\circ$  SOIL BORING

- BH-27  $\bullet$  PREVIOUS SOIL BORING - CONCENTRATION SUBSEQUENTLY SHOWN TO BE LOWER BASED ON MORE RECENT DATA
- R3  $\oplus$  FORMER WATER SUPPLY WELL
- SVS-4  $\nabla$  SOIL VAPOR SURVEY LOCATION

**Note:**  
Data for borings in the remediation area collected prior to remediation not included on this map.

## EXTENT OF BENZENE EXCEEDING 1 PPB IN SHALLOW GROUNDWATER

FORMER OLIVER SALT PLANT  
4150 POINT EDEN WAY  
HAYWARD, CALIFORNIA

PE/PG <b>JWJ</b>	Project Number <b>OOSW</b>	Figure
Project Manager <b>RK</b>	Drafter <b>CM</b>	Date <b>12/06/2013</b>



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## **TABLES**

**TABLE ONE**  
**Analytical Results of SOIL Samples from November 2013 Borings**  
**Former Oliver Salt, Hayward, California**  
All results are in parts per million (ppm)

Boring Location	Sample Depth	Date Sampled	Sample Type	TPH Diesel	TPH Gasoline	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE
BH-75	7.5'	11/1/13	Geoprobe	<b>1.9</b>	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050
BH-76	8.0'	11/1/13	Geoprobe	<b>5.4</b>	<b>2.5</b>	< 0.0050	< 0.0050	< 0.0050	< 0.0050	<b>0.020</b>
BH-77	7.5'	11/1/13	Geoprobe	<b>1.1</b>	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050
BH-78	2.0'	11/1/13	Geoprobe	<b>50</b>	<b>25</b>	<b>0.0056</b>	<b>0.043</b>	<b>0.054</b>	<b>0.34</b>	< 0.050
	3.5'	11/1/13	Geoprobe	<b>1.2</b>	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050
BH-79	2.0'	11/1/13	Geoprobe	< 1.0	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050
	4.0'	11/1/13	Geoprobe	< 1.0	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050
BH-80	2.0'	11/1/13	Geoprobe	<b>1.5</b>	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050
	4.0'	11/1/13	Geoprobe	<b>1.7</b>	<b>1.7</b>	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050
ESL				180	180	0.27	9.3	4.7	11	8.4

Notes:

MTBE = Methyl-t-butyl ether

ESL = Environmental screening levels for sites where groundwater is not a current or potential source of drinking water as presented in the "Screening For Environmental Concerns at Sites With Contaminated Soil and Groundwater (May 2013)" document prepared by the California Regional Water Quality Control Board, San Francisco Bay Region.

Non-detectable concentrations are noted by the less than symbol (<) followed by the detection limit.

Detectable concentrations in **bold**.

**TABLE TWO**  
**Analytical Results of GROUNDWATER Samples From October and November 2013 Borings**  
**Former Oliver Salt, Hayward, California**  
All results are in parts per billion (ppb)

Boring Location	Sample Depth	Date Sampled	Sample Type	TPH Diesel	TPH Gasoline	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE
BH-75	8-12'	11/1/13	Geoprobe	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0
BH-76	8-12'	11/1/13	Geoprobe	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0
BH-77	8-12'	11/1/13	Geoprobe	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0
CPT-1	54-58'	12/31/13	Hydropunch	< 50	< 50	<b>3.7</b>	<b>0.86</b>	< 0.5	<b>1.1</b>	< 5.0
CPT-2	54-58'	12/31/13	Hydropunch	< 50	< 50	<b>1.8</b>	<b>2.4</b>	< 0.5	<b>1.5</b>	< 5.0
ESL				210	210	46	130	43	100	1,800

Notes:

MTBE = Methyl-t-butyl ether

ESL = Environmental screening levels for sites where groundwater is not a current or potential source of drinking water as presented in the "Screening For Environmental Concerns at Sites With Contaminated Soil and Groundwater May 2013)" document prepared by the California Regional Water Quality Control Board, San Francisco Bay Region.

--- = Samples Not Analyzed for this compound.

Non-detectable concentrations are noted by the less than symbol (<) followed by the detection limit.

Detectable concentrations are in **bold**.

**TABLE THREE**

Summary of Analytical Results of Soil Vapor Samples  
 Petroleum Hydrocarbons, Atmospheric Gases and Helium  
 Oliver Salt, 4150 Point Eden Way, Hayward, California

Sample Location	Sample Depth (ft)	Date Sampled	TPH Gasoline (ug/m <sup>3</sup> )	Benzene (ug/m <sup>3</sup> )	Toluene (ug/m <sup>3</sup> )	Ethyl Benzene (ug/m <sup>3</sup> )	m,p-Xylenes (ug/m <sup>3</sup> )	o-Xylenes (ug/m <sup>3</sup> )	Naphthalene (ug/m <sup>3</sup> )	Oxygen (%)	Nitrogen (%)	Carbon Dioxide (%)	Methane (%)	Helium (%)
SVS-1	5	10/11/12	<b>3,400,000</b>	<b>18,000</b>	<b>48,000</b>	<b>3,800</b>	<b>62,000</b>	<b>30,000</b>	---	21	79	0.31	<b>0.00044</b>	< 0.12
SVS-2	5	10/11/12	<b>360,000</b>	<b>15,000</b>	<b>160</b>	<b>120</b>	<b>380</b>	<b>220</b>	---	16	80	4.4	<b>0.0023</b>	< 0.20
SVS-3	5	10/11/12	<b>58,000</b>	<b>72</b>	<b>63</b>	<b>92</b>	<b>74</b>	<b>110</b>	---	8.5	73	18	<b>0.022</b>	< 0.13
SVS-4	5	10/11/12	<b>12,000</b>	<b>1,200</b>	<b>51</b>	<b>68</b>	<b>47</b>	<b>260</b>	---	14	80	6.3	<b>0.00066</b>	< 0.12
SVS-5	5	11/1/13	---	---	---	---	---	---	< 5.3	16	---	<b>0.88</b>	<b>0.00042</b>	<b>2.3</b>
SVS-6	5	11/1/13	---	---	---	---	---	---	< 500	8.2	---	6.5	<b>0.01400</b>	<b>0.034</b>
ESL (Residential)			10000	84	63000	980	21000	21000	36	NE	NE	NE	NE	NE
ESL (Commercial)			29000	280	180000	3,300	58000	58000	360	NE	NE	NE	NE	NE
Low-Risk Soil Gas Criteria (With bioattenuation zone)														
Residential			NE	85000	NE	280000	NE	NE	93000	NE	NE	NE	NE	NE
Commercial			NE	280000	NE	3600000	NE	NE	310000	NE	NE	NE	NE	NE

Notes:

Non-detectable concentrations are noted by the less than symbol (<) followed by the detection limit.

Detectable concentrations in **BOLD**

ESL = Environmental Screening Levels presented in the "Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater" document prepared by the California Regional Water Quality Control Board, San Francisco Bay Region (RWQCB) dated May 2008.

Low-Risk Soil Gas Criteria is from Appendix 4, Scenario 4 - Direct Measurement of Soil Gas Concentrations with Bioattenuation zone from the State Water Resources Control Board, Low-Thread Underground Storage Tank Case Closure Policy, 2012.

NE = Not established



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## **APPENDIX A**

### **Drilling Permit**

# Alameda County Public Works Agency - Water Resources Well Permit



399 Elmhurst Street  
Hayward, CA 94544-1395  
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 10/28/2013 By jamesy

Permit Numbers: W2013-0889  
Permits Valid from 10/31/2013 to 10/31/2013

Application Id: 1382571125249  
Site Location: 4150 Point Eden Way  
Project Start Date: 10/31/2013  
Assigned Inspector: Contact Alameda County Water District at (510) 668-4460 or Patti.McMahon@acwd.com

City of Project Site: Hayward

Completion Date: 10/31/2013

Applicant: Aqua Science Engineers - Robert Kitay  
55 Oak Court, Suite 220, Danville, CA 94526  
Property Owner: Oliver Salt Trust  
39111 Paseo Padre Parkway, Suite 317, Fremont, CA 94538  
Client: \*\* same as Property Owner \*\*

Phone: 925-413-8604

Phone: --

Receipt Number: WR2013-0408 Total Due: \$265.00  
Payer Name : Aqua Science Engineers Total Amount Paid: \$265.00  
Paid By: VISA PAID IN FULL

## Works Requesting Permits:

Borehole(s) for Investigation-Contamination Study - 14 Boreholes  
Driller: Gregg Drilling - Lic #: 485165 - Method: DPcpt

Work Total: \$265.00

### Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2013-0889	10/28/2013	01/29/2014	14	2.50 in.	60.00 ft

### Specific Work Permit Conditions

1. The applicant shall contact the Alameda County Water District (ACWD) ASAP for an inspection time at (510) 668-4460. Inspection scheduling and availability shall be determined by ACWD.
2. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site. The containers shall be clearly labeled to the ownership of the container and labeled hazardous or non-hazardous.
3. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.
4. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.
5. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the

## Alameda County Public Works Agency - Water Resources Well Permit

permits and requirements have been approved or obtained.

6. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of \$500.00.

7. NOTE:

Under California laws, the owner/operator are responsible for reporting the contamination to the governmental regulatory agencies under Section 25295(a). The owner/operator is liable for civil penalties under Section 25299(a)(4) and criminal penalties under Section 25299(d) for failure to report a leak. The owner/operator is liable for civil penalties under Section 25299(b)(4) for knowing failure to ensure compliance with the law by the operator. These penalty provisions do not apply to a potential buyer.

8. Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.

---



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## **APPENDIX B**

CPT Report



GREGG DRILLING & TESTING, INC.  
GEOTECHNICAL AND ENVIRONMENTAL INVESTIGATION SERVICES

November 1, 2013

Agua Science Engineers  
Attn: Robert Kitay

Subject: CPT Site Investigation  
Oliver Salt - 4150 Point Eden Way  
Hayward, California  
GREGG Project Number: 13-180MA

Dear Mr. Kitay:

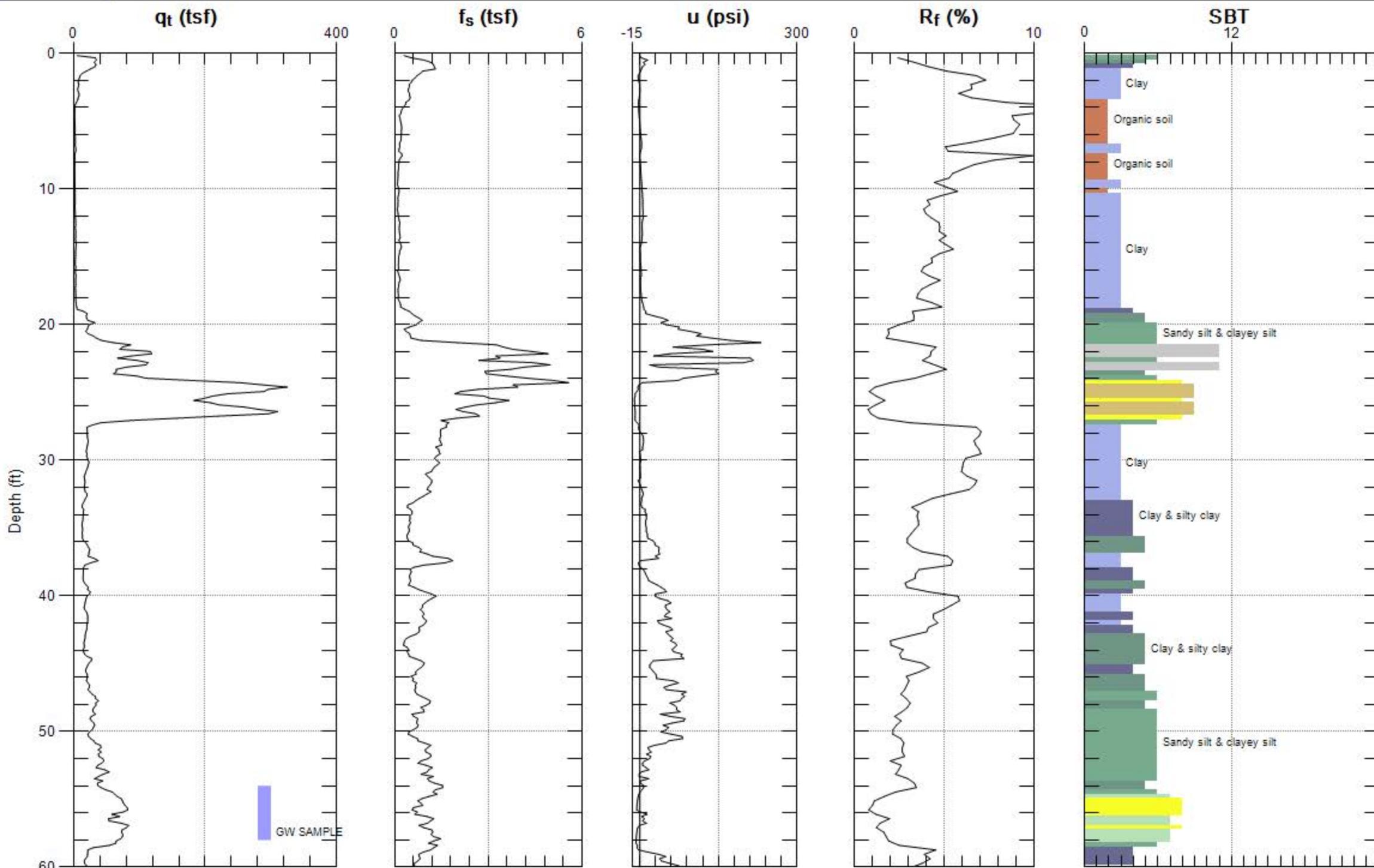
The following report presents the results of GREGG Drilling & Testing's Cone Penetration Test investigation for the above referenced site. The following testing services were performed:

1	Cone Penetration Tests	(CPTU)	<input checked="" type="checkbox"/>
2	Pore Pressure Dissipation Tests	(PPD)	<input type="checkbox"/>
3	Seismic Cone Penetration Tests	(SCPTU)	<input type="checkbox"/>
4	UVOST Laser Induced Fluorescence	(UVOST)	<input type="checkbox"/>
5	Groundwater Sampling	(GWS)	<input checked="" type="checkbox"/>
6	Soil Sampling	(SS)	<input type="checkbox"/>
7	Vapor Sampling	(VS)	<input type="checkbox"/>
8	Pressuremeter Testing	(PMT)	<input type="checkbox"/>
9	Vane Shear Testing	(VST)	<input type="checkbox"/>
10	Dilatometer Testing	(DMT)	<input type="checkbox"/>

A list of reference papers providing additional background on the specific tests conducted is provided in the bibliography following the text of the report. If you would like a copy of any of these publications or should you have any questions or comments regarding the contents of this report, please do not hesitate to contact our office at (925) 313-5800.

Sincerely,  
GREGG Drilling & Testing, Inc.

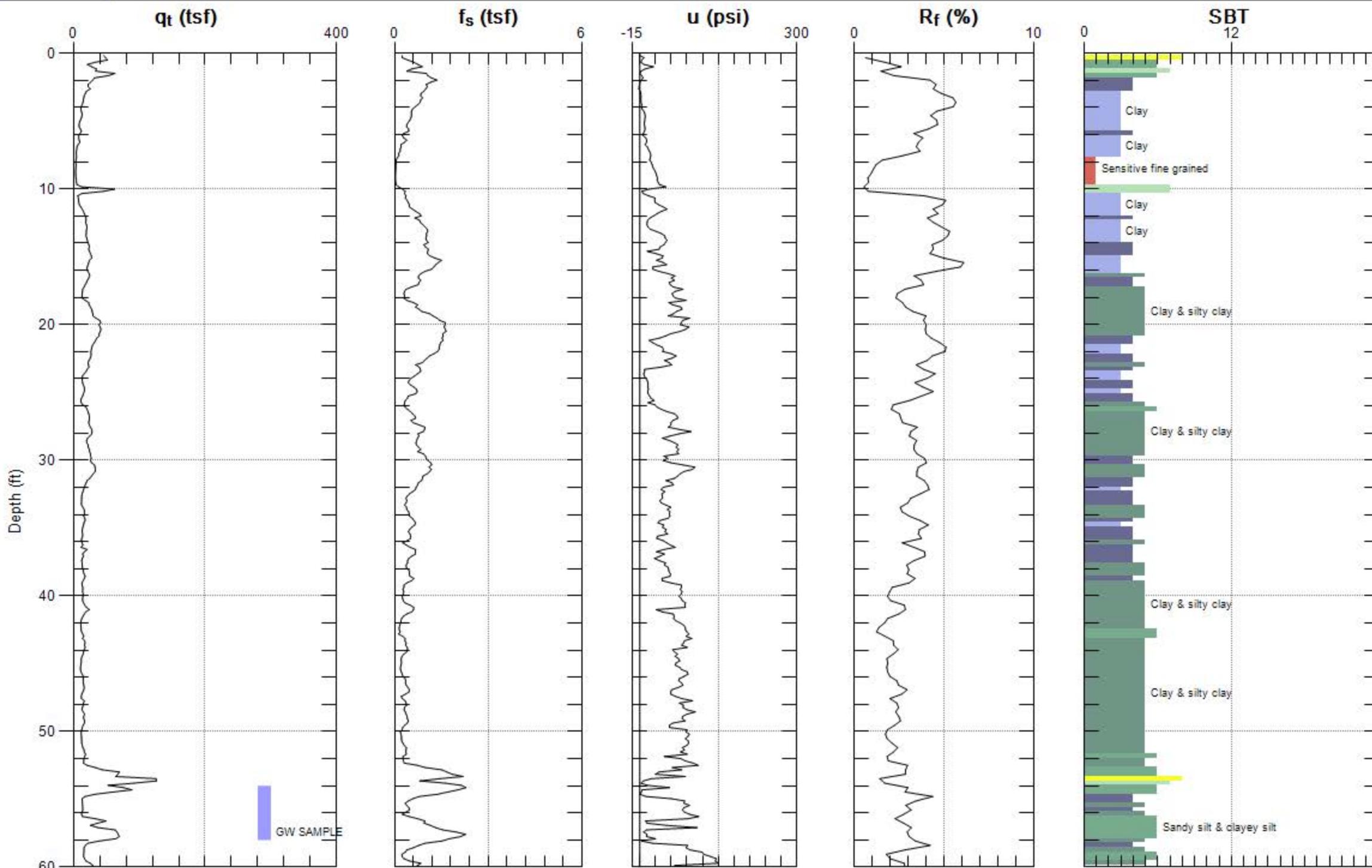
Mary Walden  
Operations Manager



Max. Depth: 60.367 (ft)

Avg. Interval: 0.328 (ft)

SBT: Soil Behavior Type (Robertson 1990)



Max. Depth: 60.203 (ft)

Avg. Interval: 0.328 (ft)

SBT: Soil Behavior Type (Robertson 1990)





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Copies of ASTM Standards are available through [www.astm.org](http://www.astm.org)



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## **APPENDIX C**

### Boring Logs

**SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS**

Boring: BH-75

Project Name: Oliver Salt Plant

Project Location: 4150 Point Eden Way, Hayward, CA

Page 1 of 1

Driller: Gregg Drilling

Type of Rig: Geoprobe

Size of Drill: 2.0" Diameter

Logged By: Robert E. Kitay, P.G.

Date Drilled: November 1, 2013

Checked By: Robert E. Kitay, P.G.

**WATER AND WELL DATA**

Total Depth of Well Completed: NA

Depth of Water First Encountered: NA

Well Screen Type and Diameter: NA

Static Depth of Water in Well: NA

Well Screen Slot Size: NA

Total Depth of Boring: 16'

Type and Size of Soil Sampler: 2.0" I.D. Macro Core Sampler

Depth in Feet	BORING DETAIL	Description	SOIL/ROCK SAMPLE DATA					Depth in Feet	DESCRIPTION OF LITHOLOGY  standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.
			Interval	Blow Counts	OVM (ppmv)	Water Level	Graphic Log		
0			0-1					0	Clayey SILT (ML); dark yellow brown; soft; dry; 90% silt; 10% clay; low plasticity; low estimated K; no odor
5			1-2					5	
10			2-3					10	CLAY (CH); dark yellow brown; stiff; damp; 100% clay; high plasticity; very low estimated K; no odor
15			3-4					15	
20								20	End of Boring at 16'
25							25		
30								30	

**SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS**

Boring: BH-76

Project Name: Oliver Salt Plant

Project Location: 4150 Point Eden Way, Hayward, CA

Page 1 of 1

Driller: Gregg Drilling

Type of Rig: Geoprobe

Size of Drill: 2.0" Diameter

Logged By: Robert E. Kitay, P.G.

Date Drilled: November 1, 2013

Checked By: Robert E. Kitay, P.G.

**WATER AND WELL DATA**

Total Depth of Well Completed: NA

Depth of Water First Encountered: NA

Well Screen Type and Diameter: NA

Static Depth of Water in Well: NA

Well Screen Slot Size: NA

Total Depth of Boring: 16'

Type and Size of Soil Sampler: 2.0" I.D. Macro Core Sampler

Depth in Feet	BORING DETAIL	Description	SOIL/ROCK SAMPLE DATA					Depth in Feet	DESCRIPTION OF LITHOLOGY standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.
			Interval	Blow Counts	OVM (ppmv)	Water Level	Graphic Log		
0			0-1					0	Clayey SILT (ML); dark yellow brown; medium stiff; dry; 90% silt; 10% clay; low plasticity; low estimated K; no odor
5			1-4		0			5	< No Recovery from 4 to 8' >
10			4-6		0			10	Silty SAND (SM); gray; medium dense; wet; 60% fine sand; 30% silt; 10% clay; medium estimated K; no odor
15			6-16		0			15	CLAY (CH); dark yellow brown; stiff; damp; 100% clay; high plasticity; very low estimated K; no odor
20								20	End of Boring at 16'
25							25		
30								30	

**SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS**

Boring: BH-77

Project Name: Oliver Salt Plant

Project Location: 4150 Point Eden Way, Hayward, CA

Page 1 of 1

Driller: Gregg Drilling

Type of Rig: Geoprobe

Size of Drill: 2.0" Diameter

Logged By: Robert E. Kitay, P.G.

Date Drilled: November 1, 2013

Checked By: Robert E. Kitay, P.G.

**WATER AND WELL DATA**

Total Depth of Well Completed: NA

Depth of Water First Encountered: NA

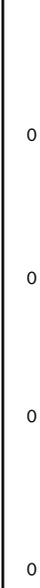
Well Screen Type and Diameter: NA

Static Depth of Water in Well: NA

Well Screen Slot Size: NA

Total Depth of Boring: 16'

Type and Size of Soil Sampler: 2.0" I.D. Macro Core Sampler

Depth in Feet	BORING DETAIL	Description	SOIL/ROCK SAMPLE DATA				Depth in Feet	DESCRIPTION OF LITHOLOGY standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.	
			Interval	Blow Counts	OVM (ppmv)	Water Level			Graphic Log
0	 <p style="text-align: center;">Portland Cement</p>							0	Clayey SILT (ML); dark yellow brown; medium stiff; damp; 90% silt; 10% clay; low plasticity; low estimated K; no odor
5								Sandy SILT (ML); dark yellow brown; medium stiff; damp to moist; 70% silt; 30% fine sand; non-plastic; low estimated K; no odor	
10								Silty SAND (SM); dark yellow brown; medium dense; wet; 60-70% fine to medium sand; 30-40% silt; medium estimated K; no odor	
15								CLAY (CH); dark yellow brown; very stiff; damp; 100% clay; high plasticity; very low estimated K; no odor	
16	End of Boring at 16'								
20									
25									
30									



Aqua Science Engineers, Inc. 55 Oak Court, Suite 220, Danville, CA 94526  
(925) 820-9391 - Fax (925) 837-4853 - [www.aquascienceengineers.com](http://www.aquascienceengineers.com)

## **APPENDIX D**

Certified Analytical Report  
and  
Chain of Custody Documentation  
For Soil Samples



# McC Campbell Analytical, Inc.

"When Quality Counts"

## Analytical Report

**WorkOrder:** 1311068

**Report Created for:** Aqua Science Engineers, Inc.  
55 Oak Court Suite 220  
Danville, CA 94526

**Project Contact:** Robert Kitay  
**Project P.O.:**  
**Project Name:** #3831; Oliver Salt

**Project Received:** 11/04/2013

Analytical Report reviewed & approved for release on 11/11/2013 by:

*Question about  
your data?*

[Click here to email  
McC Campbell](#)

Angela Rydelius,  
Laboratory Manager

***The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in the case narrative.***





## Glossary of Terms & Qualifier Definitions

**Client:** Aqua Science Engineers, Inc.  
**Project:** #3831; Oliver Salt  
**WorkOrder:** 1311068

<u>Glossary Abbreviation</u>	<u>Description</u>
95% Interval	95% Confident Interval
DF	Dilution Factor
DUP	Duplicate
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not detected at or above the indicated MDL or RL
NR	Analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix; or sample diluted due to high matrix or analyte content.
RD	Relative Difference
RL	Reporting Limit
RPD	Relative Percent Deviation
SPK Val	Spike Value
SPKRef Val	Spike Reference Value

### Analytical Qualifier

d1	weakly modified or unmodified gasoline is significant
d7	strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram
e2	diesel range compounds are significant; no recognizable pattern
e4	gasoline range compounds are significant.
e6	one to a few isolated peaks present in the THP(d/mo) chromatogram
e7	oil range compounds are significant



## Analytical Report

**Client:** Aqua Science Engineers, Inc.  
**Project:** #3831; Oliver Salt  
**Date Received:** 11/4/13 19:43  
**Date Prepared:** 11/4/13-11/6/13

**WorkOrder:** 1311068  
**Extraction Method:** SW5030B  
**Analytical Method:** SW8021B/8015Bm  
**Unit:** mg/Kg

### Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
<b>BH-75 7.5'</b>	<b>1311068-002A</b>	<b>Soil</b>	<b>11/01/2013 09:05</b>	<b>GC19</b>	<b>83641</b>

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	11/07/2013 19:50
MTBE	ND	0.050	1	11/07/2013 19:50
Benzene	ND	0.0050	1	11/07/2013 19:50
Toluene	ND	0.0050	1	11/07/2013 19:50
Ethylbenzene	ND	0.0050	1	11/07/2013 19:50
Xylenes	ND	0.0050	1	11/07/2013 19:50
<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>		
2-Fluorotoluene	93	70-130		11/07/2013 19:50

<b>BH-76 8.0'</b>	<b>1311068-007A</b>	<b>Soil</b>	<b>11/01/2013 10:13</b>	<b>GC7</b>	<b>83764</b>
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Analytes	Result	RL	DF	Date Analyzed
TPH(g)	<b>2.5</b>	1.0	1	11/07/2013 19:25
MTBE	ND	0.050	1	11/07/2013 19:25
Benzene	ND	0.0050	1	11/07/2013 19:25
Toluene	ND	0.0050	1	11/07/2013 19:25
Ethylbenzene	ND	0.0050	1	11/07/2013 19:25
Xylenes	<b>0.020</b>	0.0050	1	11/07/2013 19:25
<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>	Analytical Comments: d7	
2-Fluorotoluene	101	70-130		11/07/2013 19:25

<b>BH-77 7.5'</b>	<b>1311068-011A</b>	<b>Soil</b>	<b>11/01/2013 15:05</b>	<b>GC19</b>	<b>83641</b>
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Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	11/07/2013 22:21
MTBE	ND	0.050	1	11/07/2013 22:21
Benzene	ND	0.0050	1	11/07/2013 22:21
Toluene	ND	0.0050	1	11/07/2013 22:21
Ethylbenzene	ND	0.0050	1	11/07/2013 22:21
Xylenes	ND	0.0050	1	11/07/2013 22:21
<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>		
2-Fluorotoluene	102	70-130		11/07/2013 22:21

(Cont.)



## Analytical Report

**Client:** Aqua Science Engineers, Inc.  
**Project:** #3831; Oliver Salt  
**Date Received:** 11/4/13 19:43  
**Date Prepared:** 11/4/13-11/6/13

**WorkOrder:** 1311068  
**Extraction Method:** SW5030B  
**Analytical Method:** SW8021B/8015Bm  
**Unit:** mg/Kg

### Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
<b>BH-78 2.0'</b>	<b>1311068-014A</b>	<b>Soil</b>	<b>11/01/2013 15:50</b>	<b>GC19</b>	<b>83641</b>

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	<b>25</b>	1.0	1	11/07/2013 23:21
MTBE	ND	0.050	1	11/07/2013 23:21
Benzene	<b>0.0056</b>	0.0050	1	11/07/2013 23:21
Toluene	<b>0.043</b>	0.0050	1	11/07/2013 23:21
Ethylbenzene	<b>0.054</b>	0.0050	1	11/07/2013 23:21
Xylenes	<b>0.34</b>	0.0050	1	11/07/2013 23:21
<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>	Analytical Comments: d1	
2-Fluorotoluene	116	70-130		11/07/2013 23:21

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
<b>BH-78 3.5'</b>	<b>1311068-015A</b>	<b>Soil</b>	<b>11/01/2013 15:52</b>	<b>GC19</b>	<b>83764</b>

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	11/07/2013 14:45
MTBE	ND	0.050	1	11/07/2013 14:45
Benzene	ND	0.0050	1	11/07/2013 14:45
Toluene	ND	0.0050	1	11/07/2013 14:45
Ethylbenzene	ND	0.0050	1	11/07/2013 14:45
Xylenes	ND	0.0050	1	11/07/2013 14:45
<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>		
2-Fluorotoluene	95	70-130		11/07/2013 14:45

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
<b>BH-79 2.0'</b>	<b>1311068-016A</b>	<b>Soil</b>	<b>11/01/2013 16:00</b>	<b>GC7</b>	<b>83641</b>

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	11/06/2013 01:35
MTBE	ND	0.050	1	11/06/2013 01:35
Benzene	ND	0.0050	1	11/06/2013 01:35
Toluene	ND	0.0050	1	11/06/2013 01:35
Ethylbenzene	ND	0.0050	1	11/06/2013 01:35
Xylenes	ND	0.0050	1	11/06/2013 01:35
<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>		
2-Fluorotoluene	97	70-130		11/06/2013 01:35

(Cont.)



## Analytical Report

**Client:** Aqua Science Engineers, Inc.  
**Project:** #3831; Oliver Salt  
**Date Received:** 11/4/13 19:43  
**Date Prepared:** 11/4/13-11/6/13

**WorkOrder:** 1311068  
**Extraction Method:** SW5030B  
**Analytical Method:** SW8021B/8015Bm  
**Unit:** mg/Kg

### Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
<b>BH-79 4.0'</b>	<b>1311068-017A</b>	<b>Soil</b>	<b>11/01/2013 16:02</b>	<b>GC7</b>	<b>83641</b>

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
TPH(g)	ND	1.0	1	11/05/2013 23:35
MTBE	ND	0.050	1	11/05/2013 23:35
Benzene	ND	0.0050	1	11/05/2013 23:35
Toluene	ND	0.0050	1	11/05/2013 23:35
Ethylbenzene	ND	0.0050	1	11/05/2013 23:35
Xylenes	ND	0.0050	1	11/05/2013 23:35
<u>Surrogates</u>				
	<u>REC (%)</u>	<u>Limits</u>		
2-Fluorotoluene	97	70-130		11/05/2013 23:35

<b>BH-80 2.0'</b>	<b>1311068-018A</b>	<b>Soil</b>	<b>11/01/2013 16:11</b>	<b>GC19</b>	<b>83736</b>
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<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
TPH(g)	ND	1.0	1	11/07/2013 15:16
MTBE	ND	0.050	1	11/07/2013 15:16
Benzene	ND	0.0050	1	11/07/2013 15:16
Toluene	ND	0.0050	1	11/07/2013 15:16
Ethylbenzene	ND	0.0050	1	11/07/2013 15:16
Xylenes	ND	0.0050	1	11/07/2013 15:16
<u>Surrogates</u>				
	<u>REC (%)</u>	<u>Limits</u>		
2-Fluorotoluene	89	70-130		11/07/2013 15:16

<b>BH-80 4.0'</b>	<b>1311068-019A</b>	<b>Soil</b>	<b>11/01/2013 16:13</b>	<b>GC7</b>	<b>83764</b>
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<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
TPH(g)	1.7	1.0	1	11/07/2013 19:56
MTBE	ND	0.050	1	11/07/2013 19:56
Benzene	ND	0.0050	1	11/07/2013 19:56
Toluene	ND	0.0050	1	11/07/2013 19:56
Ethylbenzene	ND	0.0050	1	11/07/2013 19:56
Xylenes	ND	0.0050	1	11/07/2013 19:56
<u>Surrogates</u>				
	<u>REC (%)</u>	<u>Limits</u>	Analytical Comments: d7	
2-Fluorotoluene	86	70-130	11/07/2013 19:56	



## Analytical Report

**Client:** Aqua Science Engineers, Inc.  
**Project:** #3831; Oliver Salt  
**Date Received:** 11/4/13 19:43  
**Date Prepared:** 11/4/13-11/6/13

**WorkOrder:** 1311068  
**Extraction Method:** SW3550B/3630C  
**Analytical Method:** SW8015B  
**Unit:** mg/Kg

### Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
<b>BH-75 7.5'</b>	<b>1311068-002A</b>	<b>Soil</b>	<b>11/01/2013 09:05</b>	<b>GC6A</b>	<b>83626</b>
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
TPH-Diesel (C10-C23)	<b>1.9</b>		1.0	1	11/07/2013 11:33
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>	Analytical Comments: e2,e6	
C9	93		70-130		11/07/2013 11:33
<b>BH-76 8.0'</b>	<b>1311068-007A</b>	<b>Soil</b>	<b>11/01/2013 10:13</b>	<b>GC6A</b>	<b>83626</b>
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
TPH-Diesel (C10-C23)	<b>5.4</b>		1.0	1	11/09/2013 12:32
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>	Analytical Comments: e7,e4,e2	
C9	91		70-130		11/09/2013 12:32
<b>BH-77 7.5'</b>	<b>1311068-011A</b>	<b>Soil</b>	<b>11/01/2013 15:05</b>	<b>GC6A</b>	<b>83626</b>
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
TPH-Diesel (C10-C23)	<b>1.1</b>		1.0	1	11/07/2013 08:59
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>	Analytical Comments: e2,e6	
C9	93		70-130		11/07/2013 08:59
<b>BH-78 2.0'</b>	<b>1311068-014A</b>	<b>Soil</b>	<b>11/01/2013 15:50</b>	<b>GC11A</b>	<b>83626</b>
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
TPH-Diesel (C10-C23)	<b>50</b>		10	10	11/08/2013 00:34
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>	Analytical Comments: e7,e2	
C9	105		70-130		11/08/2013 00:34
<b>BH-78 3.5'</b>	<b>1311068-015A</b>	<b>Soil</b>	<b>11/01/2013 15:52</b>	<b>GC6B</b>	<b>83626</b>
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
TPH-Diesel (C10-C23)	<b>1.2</b>		1.0	1	11/08/2013 09:26
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>	Analytical Comments: e7,e2	
C9	114		70-130		11/08/2013 09:26

(Cont.)



## Analytical Report

**Client:** Aqua Science Engineers, Inc.  
**Project:** #3831; Oliver Salt  
**Date Received:** 11/4/13 19:43  
**Date Prepared:** 11/4/13-11/6/13

**WorkOrder:** 1311068  
**Extraction Method:** SW3550B/3630C  
**Analytical Method:** SW8015B  
**Unit:** mg/Kg

### Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
<b>BH-79 2.0'</b>	<b>1311068-016A</b>	<b>Soil</b>	<b>11/01/2013 16:00</b>	<b>GC6A</b>	<b>83626</b>
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
TPH-Diesel (C10-C23)	ND		1.0	1	11/08/2013 22:04
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
C9	82		70-130		11/08/2013 22:04
<b>BH-79 4.0'</b>	<b>1311068-017A</b>	<b>Soil</b>	<b>11/01/2013 16:02</b>	<b>GC6B</b>	<b>83760</b>
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
TPH-Diesel (C10-C23)	ND		1.0	1	11/07/2013 22:35
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
C9	110		70-130		11/07/2013 22:35
<b>BH-80 2.0'</b>	<b>1311068-018A</b>	<b>Soil</b>	<b>11/01/2013 16:11</b>	<b>GC11B</b>	<b>83626</b>
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
TPH-Diesel (C10-C23)	1.5		1.0	1	11/11/2013 12:07
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>	Analytical Comments: e2	
C9	122		70-130		11/11/2013 12:07
<b>BH-80 4.0'</b>	<b>1311068-019A</b>	<b>Soil</b>	<b>11/01/2013 16:13</b>	<b>GC6B</b>	<b>83626</b>
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
TPH-Diesel (C10-C23)	1.7		1.0	1	11/08/2013 08:13
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>	Analytical Comments: e7,e2	
C9	112		70-130		11/08/2013 08:13



## Quality Control Report

**Client:** Aqua Science Engineers, Inc.  
**Date Prepared:** 11/4/13  
**Date Analyzed:** 11/4/13 - 11/5/13  
**Instrument:** GC11A, GC6A  
**Matrix:** Soil  
**Project:** #3831; Oliver Salt

**WorkOrder:** 1311068  
**BatchID:** 83626  
**Extraction Method:** SW3550B/3630C  
**Analytical Method:** SW8015B  
**Unit:** mg/Kg  
**Sample ID:** MB/LCS-83626  
 1311047-001AMS/MSD

### QC SUMMARY REPORT FOR SW8015B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH-Diesel (C10-C23)	ND	43.14	1.0	40	-	108	70-130
<b>Surrogate Recovery</b>							
C9	25.9	21.33		25	104	85	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	39.84	39.62	40	ND	99.6	99	70-130	0.562	30
<b>Surrogate Recovery</b>									
C9	21.51	21.3	25		86	85	70-130	0.957	30

(Cont.)



## Quality Control Report

**Client:** Aqua Science Engineers, Inc.  
**Date Prepared:** 11/4/13  
**Date Analyzed:** 11/4/13 - 11/5/13  
**Instrument:** GC7  
**Matrix:** Soil  
**Project:** #3831; Oliver Salt

**WorkOrder:** 1311068  
**BatchID:** 83641  
**Extraction Method:** SW5030B  
**Analytical Method:** SW8021B/8015Bm  
**Unit:** mg/Kg  
**Sample ID:** MB/LCS-83641  
 1311063-025AMS/MSD

### QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH(btex)	ND	0.6368	0.40	0.60	-	106	70-130
MTBE	ND	0.1005	0.050	0.10	-	101	70-130
Benzene	ND	0.1015	0.0050	0.10	-	101	70-130
Toluene	ND	0.1086	0.0050	0.10	-	109	70-130
Ethylbenzene	ND	0.1275	0.0050	0.10	-	127	70-130
Xylenes	ND	0.3742	0.0050	0.30	-	125	70-130

**Surrogate Recovery**

2-Fluorotoluene	0.1281	0.119		0.10	128	119	70-130
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Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH(btex)	NR	NR	0	ND<8	NR	NR	-	NR	
MTBE	NR	NR	0	ND<1	NR	NR	-	NR	
Benzene	NR	NR	0	ND<0.1	NR	NR	-	NR	
Toluene	NR	NR	0	ND<0.1	NR	NR	-	NR	
Ethylbenzene	NR	NR	0	0.36	NR	NR	-	NR	
Xylenes	NR	NR	0	4.2	NR	NR	-	NR	

**Surrogate Recovery**

2-Fluorotoluene	NR	NR	0		NR	NR	-	NR	
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(Cont.)



## Quality Control Report

**Client:** Aqua Science Engineers, Inc.  
**Date Prepared:** 11/6/13  
**Date Analyzed:** 11/7/13  
**Instrument:** GC7  
**Matrix:** Soil  
**Project:** #3831; Oliver Salt

**WorkOrder:** 1311068  
**BatchID:** 83736  
**Extraction Method:** SW5030B  
**Analytical Method:** SW8021B/8015Bm  
**Unit:** mg/Kg  
**Sample ID:** MB/LCS-83736  
 1311146-022AMS/MSD

### QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH(btex)	ND	0.6352	0.40	0.60	-	106	70-130
MTBE	ND	0.1014	0.050	0.10	-	101	70-130
Benzene	ND	0.1161	0.0050	0.10	-	116	70-130
Toluene	ND	0.1088	0.0050	0.10	-	109	70-130
Ethylbenzene	ND	0.1187	0.0050	0.10	-	119	70-130
Xylenes	ND	0.3556	0.0050	0.30	-	119	70-130

**Surrogate Recovery**

2-Fluorotoluene	0.1146	0.1128		0.10	115	113	70-130
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Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH(btex)	0.6182	0.6144	0.60	ND	103	102	70-130	5.10	20
MTBE	0.09592	0.09691	0.10	ND	95.9	96.9	70-130	10.3	20
Benzene	0.1128	0.1129	0.10	ND	113	113	70-130	0	20
Toluene	0.1044	0.1054	0.10	ND	104	105	70-130	6.54	20
Ethylbenzene	0.116	0.1172	0.10	ND	116	117	70-130	4.63	20
Xylenes	0.3461	0.354	0.30	ND	115	118	70-130	5.90	20

**Surrogate Recovery**

2-Fluorotoluene	0.1083	0.1116	0.10		108	112	70-130	2.22	20
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(Cont.)



## Quality Control Report

**Client:** Aqua Science Engineers, Inc.  
**Date Prepared:** 11/6/13  
**Date Analyzed:** 11/9/13  
**Instrument:** GC6A  
**Matrix:** Soil  
**Project:** #3831; Oliver Salt

**WorkOrder:** 1311068  
**BatchID:** 83760  
**Extraction Method:** SW3550B/3630C  
**Analytical Method:** SW8015B  
**Unit:** mg/Kg  
**Sample ID:** MB/LCS-83760  
 1311068-017AMS/MSD

### QC SUMMARY REPORT FOR SW8015B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH-Diesel (C10-C23)	ND	43.53	1.0	40	-	109	70-130
<b>Surrogate Recovery</b>							
C9	18.48	18.4		25	74	74	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	39.48	39.83	40	ND	98.7	99.6	70-130	0.871	30
<b>Surrogate Recovery</b>									
C9	19.91	20.15	25		80	81	70-130	1.20	30

(Cont.)



## Quality Control Report

**Client:** Aqua Science Engineers, Inc.  
**Date Prepared:** 11/6/13  
**Date Analyzed:** 11/7/13  
**Instrument:** GC7  
**Matrix:** Soil  
**Project:** #3831; Oliver Salt

**WorkOrder:** 1311068  
**BatchID:** 83764  
**Extraction Method:** SW5030B  
**Analytical Method:** SW8021B/8015Bm  
**Unit:** mg/Kg  
**Sample ID:** MB/LCS-83764  
 1311063-021AMS/MSD

### QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH(btex)	ND	0.7538	0.40	0.60	-	126	70-130
MTBE	ND	0.09589	0.050	0.10	-	95.9	70-130
Benzene	ND	0.1093	0.0050	0.10	-	109	70-130
Toluene	ND	0.1061	0.0050	0.10	-	106	70-130
Ethylbenzene	ND	0.1179	0.0050	0.10	-	118	70-130
Xylenes	ND	0.3581	0.0050	0.30	-	119	70-130

**Surrogate Recovery**

2-Fluorotoluene	0.1119	0.114		0.10	112	114	70-130
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Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH(btex)	0.5838	0.587	0.60	ND	97.3	97.8	70-130	0.540	20
MTBE	0.08746	0.09279	0.10	ND	87.5	92.8	70-130	5.91	20
Benzene	0.1039	0.1003	0.10	ND	104	100	70-130	3.56	20
Toluene	0.09872	0.09638	0.10	ND	98.7	96.4	70-130	2.40	20
Ethylbenzene	0.1119	0.1101	0.10	ND	112	110	70-130	1.59	20
Xylenes	0.3337	0.3266	0.30	ND	111	109	70-130	2.14	20

**Surrogate Recovery**

2-Fluorotoluene	0.1092	0.1056	0.10		109	106	70-130	3.28	20
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1534 Willow Pass Rd  
Pittsburg, CA 94565-1701  
(925) 252-9262

# CHAIN-OF-CUSTODY RECORD

WorkOrder: 1311068

ClientCode: ASED

WaterTrax   
  WriteOn   
  EDF   
  Excel   
  EQuIS   
 Email   
 HardCopy   
 ThirdParty   
 J-flag

**Report to:**  
 Robert Kitay  
 Aqua Science Engineers, Inc.  
 55 Oak Court Suite 220  
 Danville, CA 94526  
 (925) 820-9391    FAX: (925) 837-4853

Email: rkitay@aquascienceengineers.com  
 cc:  
 PO:  
 ProjectNo: #3831; Oliver Salt

**Bill to:**  
 Diane Schiell  
 Aqua Science Engineers, Inc.  
 217 Wild Flower Drive  
 Roseville, CA 95678  
 deezthng22@yahoo.com

**Requested TAT: 5 days**

**Date Received: 11/04/2013**

**Date Printed: 11/04/2013**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)												
					1	2	3	4	5	6	7	8	9	10	11	12	
1311068-002	BH-75 7.5'	Soil	11/1/2013 9:05	<input type="checkbox"/>	A	A	A										
1311068-007	BH-76 8.0'	Soil	11/1/2013 10:13	<input type="checkbox"/>	A		A										
1311068-011	BH-77 7.5'	Soil	11/1/2013 15:05	<input type="checkbox"/>	A		A										
1311068-014	BH-78 2.0'	Soil	11/1/2013 15:50	<input type="checkbox"/>	A		A										
1311068-015	BH-78 3.5'	Soil	11/1/2013 15:52	<input type="checkbox"/>	A		A										
1311068-016	BH-79 2.0'	Soil	11/1/2013 16:00	<input type="checkbox"/>	A		A										
1311068-017	BH-79 4.0'	Soil	11/1/2013 16:02	<input type="checkbox"/>	A		A										
1311068-018	BH-80 2.0'	Soil	11/1/2013 16:11	<input type="checkbox"/>	A		A										
1311068-019	BH-80 4.0'	Soil	11/1/2013 16:13	<input type="checkbox"/>	A		A										

**Test Legend:**

1	G-MBTEX_S	2	PREFDF REPORT	3	TPH(D)WSG_S	4		5	
6		7		8		9		10	
11		12							

**Prepared by: Zoraida Cortez**

**Comments:**

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days). Hazardous samples will be returned to client or disposed of at client expense.

# Chain of Custody

SAMPLER (SIGNATURE) Rud C. Kitay PROJECT NAME Oliver Salt JOB NO. 3831  
 ADDRESS 4150 Point Eden Way, Concord, CA

ANALYSIS REQUEST						TPH-GAS / MTBE & BTEX (EPA 5030/8015-8020)	TPH-DIESEL w/5.1/min (EPA 3510/8015) Cat CW	TPH-DIESEL & MOTOR OIL (EPA 3510/8015)	VOLATILE ORGANICS (EPA 624/8240/8260)	SEMI-VOLATILE ORGANICS (EPA 625/8270)	OIL & GREASE (EPA 5520)	LUFT METALS (5) (EPA 6010+7000)	CAM 17 METALS (EPA 6010+7000)	PCBS (EPA 8082)	ORGANOCHLORINATED PESTICIDES (EPA 8081A)	FUEL OXYGENATES (EPA 8260)	Pb (TOTAL or DISSOLVED) (EPA 6010)	TPH-G, BTEX & 5 OXY's (EPA 8260)	COMPOSITE	EDF	HOLD	
SPECIAL INSTRUCTIONS:	PRESERVATION	DATE	TIME	MATRIX	QUANTITY																	
ICE# <u>3.2</u> GOOD CONDITION _____ APPROPRIATE CONTAINERS _____ HEAD SPACE ABSENT _____ PRESERVED IN LAB _____ DECHLORINATED IN LAB _____ PRESERVED IN LAB _____ VOAS O&G METALS OTHER																						
BH-75	3.5'	11-1-13	900	S	1																X	
BH-75	7.5'		905			X	X													X		
BH-75	11.5'		908																			
BH-75	15.5'		912																		X	
BH-75	17.5'		925																		X	
BH-76	3.5'		1009																		X	
BH-76	8.0'		1013			X	X												X			
BH-76	11.5'		1015																		X	
BH-76	15.5'		1027																		X	
BH-77	3.5'		1500																		X	

RELINQUISHED BY: <u>Rud C. Kitay</u> 1040 (signature) (time)	RECEIVED BY: <u>Tim Tatum</u> 1040 (signature) (time)	RELINQUISHED BY: <u>Tim Tatum</u> 1510 (signature) (time)	RECEIVED BY LABORATORY <u>Maria Venegas</u> (signature) (time)	COMMENTS:  TURN AROUND TIME STANDARD 24Hr 48Hr 72Hr OTHER:
<u>Robert E. Kitay</u> 11-4-13 (printed name) (date)	<u>Tim Tatum</u> 11/4/13 (printed name) (date)	<u>Tim Tatum</u> 11/4/13 (printed name) (date)	<u>Maria Venegas</u> (printed name) (date)	
Company-ASE, INC.	Company-	Company-	Company-	

# Chain of Custody

SAMPLER (SIGNATURE)

*R. E. Kelly*

PROJECT NAME Oliver Salt

JOB NO. 3831

ADDRESS 4150 Point Eden Way, Concord, CA

## ANALYSIS REQUEST

SPECIAL INSTRUCTIONS:

SAMPLE ID.	DATE	TIME	MATRIX	QUANTITY	TPH-GAS / MTBE & BTEX (EPA 5030/8015-8020)	TPH-DIESEL w/ <i>Silicone Gel</i> (EPA 3510/8015) <i>cleaning</i>	TPH-DIESEL & MOTOR OIL (EPA 3510/8015)	VOLATILE ORGANICS (EPA 624/8240/8260)	SEMI-VOLATILE ORGANICS (EPA 625/8270)	OIL & GREASE (EPA 5520)	LUFT METALS (5) (EPA 6010+7000)	CAME 17 METALS (EPA 6010+7000)	PCBs (EPA 8082)	ORGANOCHLORINATED PESTICIDES (EPA 8081A)	FUEL OXYGENATES (EPA 8260)	Pb (TOTAL or DISSOLVED) (EPA 6010)	TPH-G, BTEX & 5 OXY's (EPA 8260)	COMPOSITE	EDF	HOLD	
BH-77 7.5'	11-1-13	1505	S	1	X	X													X		
BH-77 11.5'		1510																			X
BH-77 15.5'		1513																			X
BH-78 2.0'		1550			X	X													X		
BH-78 3.5'		1552			X	X													X		
BH-79 2.0'		1600			X	X													X		
BH-79 4.0'		1602			X	X													X		
BH-80 2.0'		1611			X	X													X		
BH-80 4.0'		1613			X	X													X		

RELINQUISHED BY:

*R. E. Kelly* 1040  
 (signature) (time)

Robert E. Kelly 11-4-13  
 (printed name) (date)

Company-ASE, INC.

RECEIVED BY:

*Tim Tatum* 1040  
 (signature) (time)

Tim Tatum 11/4/13  
 (printed name) (date)

Company-

RELINQUISHED BY:

*Tim Tatum* 1510  
 (signature) (time)

Tim Tatum 11/4/13  
 (printed name) (date)

Company-

RECEIVED BY LABORATORY

*Marina V*  
 (signature) (time)

Marina Venegas  
 (printed name) (date)

Company- 11/4/13 1510

COMMENTS:

TURN AROUND TIME

STANDARD 24Hr 48Hr 72Hr

OTHER:



### Sample Receipt Checklist

Client Name: **Aqua Science Engineers, Inc.**

Date and Time Received: **11/4/2013 7:43:41 PM**

Project Name: **#3831; Oliver Salt**

LogIn Reviewed by: **Zoraida Cortez**

WorkOrder N°: **1311068** Matrix: Soil

Carrier: Tim Tatum (MAI Courier)

#### Chain of Custody (COC) Information

Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Sample IDs noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Date and Time of collection noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Sampler's name noted on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

#### Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper containers/bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

#### Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature	Cooler Temp: 3.2°C		NA <input type="checkbox"/>
Water - VOA vials have zero headspace / no bubbles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Sample labels checked for correct preservation?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Metal - pH acceptable upon receipt (pH<2)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Samples Received on Ice?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

(Ice Type: WET ICE )

\* NOTE: If the "No" box is checked, see comments below.

-----  
 Comments:



Aqua Science Engineers, Inc. 55 Oak Court, Suite 220, Danville, CA 94526  
(925) 820-9391 - Fax (925) 837-4853 - [www.aquascienceengineers.com](http://www.aquascienceengineers.com)

## **APPENDIX E**

Certified Analytical Report  
and  
Chain of Custody Documentation  
For Groundwater Samples



# McC Campbell Analytical, Inc.

"When Quality Counts"

## Analytical Report

**WorkOrder:** 1311069

**Report Created for:** Aqua Science Engineers, Inc.  
55 Oak Court Suite 220  
Danville, CA 94526

**Project Contact:** Robert Kitay  
**Project P.O.:**  
**Project Name:** #3831; Oliver Salt

**Project Received:** 11/04/2013

Analytical Report reviewed & approved for release on 11/11/2013 by:

Question about  
your data?

[Click here to email  
McC Campbell](#)

Angela Rydelius,  
Laboratory Manager

***The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in the case narrative.***





## Glossary of Terms & Qualifier Definitions

**Client:** Aqua Science Engineers, Inc.  
**Project:** #3831; Oliver Salt  
**WorkOrder:** 1311069

<b><u>Glossary Abbreviation</u></b>	<b><u>Description</u></b>
95% Interval	95% Confident Interval
DF	Dilution Factor
DUP	Duplicate
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not detected at or above the indicated MDL or RL
NR	Analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix; or sample diluted due to high matrix or analyte content.
RD	Relative Difference
RL	Reporting Limit
RPD	Relative Percent Deviation
SPK Val	Spike Value
SPKRef Val	Spike Reference Value



## Analytical Report

**Client:** Aqua Science Engineers, Inc.  
**Project:** #3831; Oliver Salt  
**Date Received:** 11/4/13 19:56  
**Date Prepared:** 11/5/13-11/8/13

**WorkOrder:** 1311069  
**Extraction Method:** SW5030B  
**Analytical Method:** SW8021B/8015Bm  
**Unit:** µg/L

### Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
<b>CPT-1 54-58'</b>	<b>1311069-001A</b>	<b>Water</b>	<b>10/31/2013 11:10</b>	<b>GC3</b>	<b>83628</b>

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	50	1	11/05/2013 09:37
MTBE	ND	5.0	1	11/05/2013 09:37
Benzene	<b>3.7</b>	0.50	1	11/05/2013 09:37
Toluene	<b>0.86</b>	0.50	1	11/05/2013 09:37
Ethylbenzene	ND	0.50	1	11/05/2013 09:37
Xylenes	<b>1.1</b>	0.50	1	11/05/2013 09:37
<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>		
aaa-TFT	103	70-130		11/05/2013 09:37

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
<b>CPT-2 54-58'</b>	<b>1311069-002A</b>	<b>Water</b>	<b>10/31/2013 14:20</b>	<b>GC3</b>	<b>83628</b>

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	50	1	11/05/2013 10:07
MTBE	ND	5.0	1	11/05/2013 10:07
Benzene	<b>1.8</b>	0.50	1	11/05/2013 10:07
Toluene	<b>2.4</b>	0.50	1	11/05/2013 10:07
Ethylbenzene	ND	0.50	1	11/05/2013 10:07
Xylenes	<b>1.5</b>	0.50	1	11/05/2013 10:07
<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>		
aaa-TFT	101	70-130		11/05/2013 10:07

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
<b>BH-75 Water</b>	<b>1311069-003A</b>	<b>Water</b>	<b>11/01/2013 11:20</b>	<b>GC3</b>	<b>83759</b>

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	50	1	11/08/2013 01:03
MTBE	ND	5.0	1	11/08/2013 01:03
Benzene	ND	0.50	1	11/08/2013 01:03
Toluene	ND	0.50	1	11/08/2013 01:03
Ethylbenzene	ND	0.50	1	11/08/2013 01:03
Xylenes	ND	0.50	1	11/08/2013 01:03
<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>		
aaa-TFT	98	70-130		11/08/2013 01:03

(Cont.)



## Analytical Report

**Client:** Aqua Science Engineers, Inc.  
**Project:** #3831; Oliver Salt  
**Date Received:** 11/4/13 19:56  
**Date Prepared:** 11/5/13-11/8/13

**WorkOrder:** 1311069  
**Extraction Method:** SW5030B  
**Analytical Method:** SW8021B/8015Bm  
**Unit:** µg/L

### Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
BH-76 Water	1311069-004A	Water	11/01/2013 14:20	GC3	83759
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
TPH(g)	ND		50	1	11/07/2013 00:43
MTBE	ND		5.0	1	11/07/2013 00:43
Benzene	ND		0.50	1	11/07/2013 00:43
Toluene	ND		0.50	1	11/07/2013 00:43
Ethylbenzene	ND		0.50	1	11/07/2013 00:43
Xylenes	ND		0.50	1	11/07/2013 00:43
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
aaa-TFT	99		70-130		11/07/2013 00:43
BH-77 Water	1311069-005A	Water	11/01/2013 16:31	GC3	83847
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
TPH(g)	ND		50	1	11/07/2013 16:04
MTBE	ND		5.0	1	11/07/2013 16:04
Benzene	ND		0.50	1	11/07/2013 16:04
Toluene	ND		0.50	1	11/07/2013 16:04
Ethylbenzene	ND		0.50	1	11/07/2013 16:04
Xylenes	ND		0.50	1	11/07/2013 16:04
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
aaa-TFT	97		70-130		11/07/2013 16:04



## Analytical Report

**Client:** Aqua Science Engineers, Inc.  
**Project:** #3831; Oliver Salt  
**Date Received:** 11/4/13 19:56  
**Date Prepared:** 11/4/13

**WorkOrder:** 1311069  
**Extraction Method:** SW3510C/3630C  
**Analytical Method:** SW8015B  
**Unit:** µg/L

### Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
<b>CPT-1 54-58'</b>	<b>1311069-001B</b>	<b>Water</b>	<b>10/31/2013 11:10</b>	<b>GC6A</b>	<b>83620</b>
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
TPH-Diesel (C10-C23)	ND		50	1	11/07/2013 07:47
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
C9	83		70-130		11/07/2013 07:47
<b>CPT-2 54-58'</b>	<b>1311069-002B</b>	<b>Water</b>	<b>10/31/2013 14:20</b>	<b>GC6A</b>	<b>83620</b>
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
TPH-Diesel (C10-C23)	ND		50	1	11/07/2013 16:29
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
C9	86		70-130		11/07/2013 16:29
<b>BH-75 Water</b>	<b>1311069-003B</b>	<b>Water</b>	<b>11/01/2013 11:20</b>	<b>GC6A</b>	<b>83620</b>
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
TPH-Diesel (C10-C23)	ND		50	1	11/07/2013 17:43
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
C9	81		70-130		11/07/2013 17:43
<b>BH-76 Water</b>	<b>1311069-004B</b>	<b>Water</b>	<b>11/01/2013 14:20</b>	<b>GC6B</b>	<b>83620</b>
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
TPH-Diesel (C10-C23)	ND		50	1	11/07/2013 06:34
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
C9	104		70-130		11/07/2013 06:34
<b>BH-77 Water</b>	<b>1311069-005B</b>	<b>Water</b>	<b>11/01/2013 16:31</b>	<b>GC6A</b>	<b>83620</b>
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
TPH-Diesel (C10-C23)	ND		50	1	11/07/2013 18:56
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
C9	75		70-130		11/07/2013 18:56



## Quality Control Report

**Client:** Aqua Science Engineers, Inc.  
**Date Prepared:** 11/4/13  
**Date Analyzed:** 11/4/13  
**Instrument:** GC3  
**Matrix:** Water  
**Project:** #3831; Oliver Salt

**WorkOrder:** 1311069  
**BatchID:** 83628  
**Extraction Method:** SW5030B  
**Analytical Method:** SW8021B/8015Bm  
**Unit:** µg/L  
**Sample ID:** MB/LCS-83628  
 1311026-002AMS/MSD

### QC SUMMARY REPORT FOR SW8021B/8015Bm

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH(btex)	ND	59.72	40	60	-	99.5	70-130
MTBE	ND	10.97	5.0	10	-	110	70-130
Benzene	ND	10.36	0.50	10	-	104	70-130
Toluene	ND	10.32	0.50	10	-	103	70-130
Ethylbenzene	ND	10.25	0.50	10	-	102	70-130
Xylenes	ND	31.02	0.50	30	-	103	70-130

**Surrogate Recovery**

aaa-TFT	10.23	9.93		10	102	99	70-130
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Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH(btex)	63.58	61.86	60	ND	106	103	70-130	2.74	20
MTBE	11.76	11.4	10	ND	118	114	70-130	3.13	20
Benzene	10.75	10.7	10	ND	108	107	70-130	0.432	20
Toluene	10.76	10.72	10	ND	108	107	70-130	0.384	20
Ethylbenzene	10.72	10.65	10	ND	107	106	70-130	0.673	20
Xylenes	32.61	32.23	30	ND	109	107	70-130	1.17	20

**Surrogate Recovery**

aaa-TFT	9.862	9.884	10		99	99	70-130	0	20
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(Cont.)



# Quality Control Report

**Client:** Aqua Science Engineers, Inc.  
**Date Prepared:** 11/6/13  
**Date Analyzed:** 11/6/13  
**Instrument:** GC3  
**Matrix:** Water  
**Project:** #3831; Oliver Salt

**WorkOrder:** 1311069  
**BatchID:** 83759  
**Extraction Method:** SW5030B  
**Analytical Method:** SW8021B/8015Bm  
**Unit:** µg/L  
**Sample ID:** MB/LCS-83759  
 1311098-001BMS/MSD

## QC SUMMARY REPORT FOR SW8021B/8015Bm

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH(btex)	ND	62.23	40	60	-	104	70-130
MTBE	ND	10.92	5.0	10	-	109	70-130
Benzene	ND	10.98	0.50	10	-	110	70-130
Toluene	ND	10.96	0.50	10	-	110	70-130
Ethylbenzene	ND	10.84	0.50	10	-	108	70-130
Xylenes	ND	32.88	0.50	30	-	110	70-130

**Surrogate Recovery**

aaa-TFT	10.06	10.31		10	101	103	70-130
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Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH(btex)	63.76	61.06	60	ND	106	102	70-130	4.33	20
MTBE	11.15	10.81	10	ND	112	108	70-130	3.15	20
Benzene	10.91	10.67	10	ND	109	107	70-130	2.26	20
Toluene	10.85	10.61	10	ND	108	106	70-130	2.21	20
Ethylbenzene	10.82	10.54	10	ND	108	105	70-130	2.68	20
Xylenes	33.02	31.99	30	ND	110	107	70-130	3.15	20

**Surrogate Recovery**

aaa-TFT	10.09	10.22	10		101	102	70-130	1.35	20
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(Cont.)



# Quality Control Report

**Client:** Aqua Science Engineers, Inc.  
**Date Prepared:** 11/7/13  
**Date Analyzed:** 11/7/13  
**Instrument:** GC3  
**Matrix:** Water  
**Project:** #3831; Oliver Salt

**WorkOrder:** 1311069  
**BatchID:** 83847  
**Extraction Method:** SW5030B  
**Analytical Method:** SW8021B/8015Bm  
**Unit:** µg/L  
**Sample ID:** MB/LCS-83847  
 1311219-001BMS/MSD

## QC SUMMARY REPORT FOR SW8021B/8015Bm

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH(btex)	ND	61.41	40	60	-	102	70-130
MTBE	ND	11.35	5.0	10	-	114	70-130
Benzene	ND	11.04	0.50	10	-	110	70-130
Toluene	ND	11.02	0.50	10	-	110	70-130
Ethylbenzene	ND	10.88	0.50	10	-	109	70-130
Xylenes	ND	33.05	0.50	30	-	110	70-130
<b>Surrogate Recovery</b>							
aaa-TFT	10.14	10.14		10	101	101	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH(btex)	61.53	60.74	60	ND	103	101	70-130	1.28	20
MTBE	10.5	11.24	10	ND	105	112	70-130	6.76	20
Benzene	10.46	10.32	10	ND	105	103	70-130	1.35	20
Toluene	10.44	10.32	10	ND	104	103	70-130	1.18	20
Ethylbenzene	10.38	10.28	10	ND	104	103	70-130	0.933	20
Xylenes	31.41	31.37	30	ND	103	103	70-130	0	20
<b>Surrogate Recovery</b>									
aaa-TFT	9.886	9.789	10		99	98	70-130	0.984	20



## Quality Control Report

**Client:** Aqua Science Engineers, Inc.  
**Date Prepared:** 11/4/13  
**Date Analyzed:** 11/5/13  
**Instrument:** GC6A, GC6B  
**Matrix:** Water  
**Project:** #3831; Oliver Salt

**WorkOrder:** 1311069  
**BatchID:** 83620  
**Extraction Method:** SW3510C/3630C  
**Analytical Method:** SW8015B  
**Unit:** µg/L  
**Sample ID:** MB/LCS-83620

### QC SUMMARY REPORT FOR SW8015B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH-Diesel (C10-C23)	ND	1074	50	1000	-	107	70-130
<b>Surrogate Recovery</b>							
C9	564	650.6		625	90	104	70-130



1534 Willow Pass Rd  
 Pittsburg, CA 94565-1701  
 (925) 252-9262

# CHAIN-OF-CUSTODY RECORD

WorkOrder: 1311069

ClientCode: ASED

WaterTrax   
  WriteOn   
  EDF   
  Excel   
  EQuIS   
  Email   
  HardCopy   
  ThirdParty   
  J-flag

**Report to:**  
 Robert Kitay  
 Aqua Science Engineers, Inc.  
 55 Oak Court Suite 220  
 Danville, CA 94526  
 (925) 820-9391    FAX: (925) 837-4853

Email: rkitay@aquascienceengineers.com  
 cc:  
 PO:  
 ProjectNo: #3831; Oliver Salt

**Bill to:**  
 Diane Schiell  
 Aqua Science Engineers, Inc.  
 217 Wild Flower Drive  
 Roseville, CA 95678  
 deezthng22@yahoo.com

**Requested TAT: 5 days**

**Date Received: 11/04/2013**

**Date Printed: 11/04/2013**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)												
					1	2	3	4	5	6	7	8	9	10	11	12	
1311069-001	CPT-1 54-58'	Water	10/31/2013 11:10	<input type="checkbox"/>	A	A	B										
1311069-002	CPT-2 54-58'	Water	10/31/2013 14:20	<input type="checkbox"/>	A		B										
1311069-003	BH-75 Water	Water	11/1/2013 11:20	<input type="checkbox"/>	A		B										
1311069-004	BH-76 Water	Water	11/1/2013 14:20	<input type="checkbox"/>	A		B										
1311069-005	BH-77 Water	Water	11/1/2013 16:31	<input type="checkbox"/>	A		B										

**Test Legend:**

1	G-MBTX_W	2	PREFD REPORT	3	TPH(D)WSG_W	4		5	
6		7		8		9		10	
11		12							

**Prepared by: Daniel Loa**

**Comments:**

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days). Hazardous samples will be returned to client or disposed of at client expense.

Aqua Science Engineers, Inc.  
 55 Oak Court, Suite 220  
 Danville, CA 94526  
 (925) 820-9391  
 FAX (925) 837-4853

# Chain of Custody

PAGE 1 / 1

SAMPLER (SIGNATURE)  

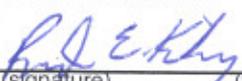
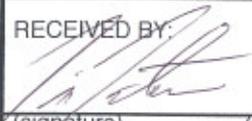
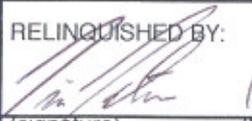
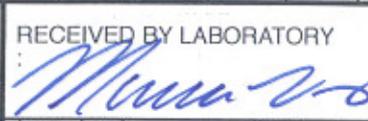

PROJECT NAME Oliver Salt JOB NO. 3831  
 ADDRESS 4150 Point Eden Way, Concord, CA

## ANALYSIS REQUEST

SPECIAL INSTRUCTIONS:

SAMPLE ID.	DATE	TIME	MATRIX	QUANTITY	TPH-GAS / MTBE & BTEX (EPA 5030/8015-8020)	TPH-DIESEL w/ 2% IIR Cool (EPA 3510/8015) <u>Cleaning</u>	TPH-DIESEL & MOTOR OIL (EPA 3510/8015)	VOLATILE ORGANICS (EPA 624/8240/8260)	SEMI-VOLATILE ORGANICS (EPA 625/8270)	OIL & GREASE (EPA 5520)	LUFT METALS (5) (EPA 6010+7000)	CAM 17 METALS (EPA 6010+7000)	PCBS (EPA 8082)	ORGANOCHLORINATED PESTICIDES (EPA 8081A)	FUEL OXYGENATES (EPA 8260)	Pb (TOTAL or DISSOLVED) (EPA 6010)	TPH-G, BTEX & 5 OXY's (EPA 8260)	COMPOSITE	EDF	HOLD
+ CPT-2 54-58'	↓	1420	W	5	X	X													X	
+ BH-75 Water	11-1-13	1120	W	5	X	X													X	
+ BH-76 Water	↓	1420	↓	↓	X	X													X	
+ BH-77 Water	↓	1631	↓	↓	X	X													X	

CE 11-3-2  
 GOOD CONDITION \_\_\_\_\_  
 HEAD SPACE ABSENT \_\_\_\_\_  
 DECHLORINATED IN LAB \_\_\_\_\_  
 PRESERVATION \_\_\_\_\_  
 APPROPRIATE CONTAINERS PRESERVED IN LAB \_\_\_\_\_  
 VOAS O & G METALS OTHER \_\_\_\_\_

RELINQUISHED BY:  (signature) (time) 1040	RECEIVED BY:  (signature) (time) 1040	RELINQUISHED BY:  (signature) (time) 1510	RECEIVED BY LABORATORY:  (signature) (time)	COMMENTS:
Robert E. Kelly 11-1-13 (printed name) (date)	Tim Tatum 11/4/13 (printed name) (date)	Tim Tatum 11/4/13 (printed name) (date)	Maria Venegas (printed name) (date)	
Company-ASE, INC.	Company- M	Company-	Company- <u>MAT</u> 11/4/13 1510	TURN AROUND TIME <input checked="" type="radio"/> STANDARD 24Hr 48Hr 72Hr OTHER:



### Sample Receipt Checklist

Client Name: **Aqua Science Engineers, Inc.**

Date and Time Received: **11/4/2013 7:56:30 PM**

Project Name: **#3831; Oliver Salt**

LogIn Reviewed by: **Daniel Loa**

WorkOrder N°: **1311069** Matrix: Water

Carrier: Tim Tatum (MAI Courier)

#### Chain of Custody (COC) Information

Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Sample IDs noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Date and Time of collection noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Sampler's name noted on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

#### Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper containers/bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

#### Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature	Cooler Temp: 3.2°C		NA <input type="checkbox"/>
Water - VOA vials have zero headspace / no bubbles?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	NA <input type="checkbox"/>
Sample labels checked for correct preservation?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Metal - pH acceptable upon receipt (pH<2)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Samples Received on Ice?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

(Ice Type: WET ICE )

\* NOTE: If the "No" box is checked, see comments below.

-----  
 Comments: Samples contained headspace.



Aqua Science Engineers, Inc. 55 Oak Court, Suite 220, Danville, CA 94526  
(925) 820-9391 - Fax (925) 837-4853 - [www.aquascienceengineers.com](http://www.aquascienceengineers.com)

## **APPENDIX F**

Certified Analytical Report  
and  
Chain of Custody Documentation  
For Soil Vapor Samples



# McC Campbell Analytical, Inc.

"When Quality Counts"

## Analytical Report

**WorkOrder:** 1311070

**Report Created for:** Aqua Science Engineers, Inc.  
55 Oak Court Suite 220  
Danville, CA 94526

**Project Contact:** Robert Kitay  
**Project P.O.:**  
**Project Name:** Oliver Salt

**Project Received:** 11/04/2013

Analytical Report reviewed & approved for release on 11/12/2013 by:

*Question about  
your data?*

[Click here to email  
McC Campbell](#)

Angela Rydelius,  
Laboratory Manager

***The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in the case narrative.***





## Glossary of Terms & Qualifier Definitions

**Client:** Aqua Science Engineers, Inc.  
**Project:** Oliver Salt  
**WorkOrder:** 1311070

<b><u>Glossary</u></b>	<b><u>Description</u></b>
<b><u>Abbreviation</u></b>	

95% Interval	95% Confident Interval
DF	Dilution Factor
DUP	Duplicate
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not detected at or above the indicated MDL or RL
NR	Analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix; or sample diluted due to high matrix or analyte content.
RD	Relative Difference
RL	Reporting Limit
RPD	Relative Percent Deviation
SPK Val	Spike Value
SPKRef Val	Spike Reference Value

<b><u>Analytical</u></b>	
<b><u>Qualifier</u></b>	

S	spike recovery outside accepted recovery limits
c2	low surrogate recovery caused by matrix interference.

<b><u>Quality Control</u></b>	
<b><u>Qualifier</u></b>	

F1	MS/MSD recovery was out of acceptance criteria; LCS validated the prep batch.
----	---



## Analytical Report

**Client:** Aqua Science Engineers, Inc.  
**Project:** Oliver Salt  
**Date Received:** 11/4/13 20:45  
**Date Prepared:** 11/5/13

**WorkOrder:** 1311070  
**Extraction Method:** ASTM D 1946-90  
**Analytical Method:** ASTM D 1946-90  
**Unit:** %

### Helium

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SVS-5	1311070-001A	Soil Gas/DISS.	11/01/2013 13:15	GC26	83676

**Initial Pressure (psia)**                      **Final Pressure (psia)**

12.85	25.61
-------	-------

Analytes	Result	RL	DF	Date Analyzed
Helium	2.3	0.0050	1	11/05/2013 14:57

SVS-6	1311070-002A	Soil Gas/DISS.	11/01/2013 14:32	GC26	83676
-------	--------------	----------------	------------------	------	-------

**Initial Pressure (psia)**                      **Final Pressure (psia)**

10.20	20.30
-------	-------

Analytes	Result	RL	DF	Date Analyzed
Helium	0.034	0.0050	1	11/05/2013 15:10



## Analytical Report

**Client:** Aqua Science Engineers, Inc.  
**Project:** Oliver Salt  
**Date Received:** 11/4/13 20:45  
**Date Prepared:** 11/5/13-11/6/13

**WorkOrder:** 1311070  
**Extraction Method:** ASTM D 1946-90  
**Analytical Method:** ASTM D 1946-90  
**Unit:** uL/L

### Light Gases

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SVS-5	1311070-001A	Soil Gas/DISS.	11/01/2013 13:15	GC26	83717

Initial Pressure (psia)	Final Pressure (psia)
12.85	25.61

Analytes	Result	RL	DF	Date Analyzed
Carbon Dioxide	8800	200	4	11/05/2013 19:02
Methane	4.2	1.0	1	11/05/2013 17:06
Oxygen	160,000	4000	1	11/05/2013 19:02

SVS-6	1311070-002A	Soil Gas/DISS.	11/01/2013 14:32	GC26	83717
-------	--------------	----------------	------------------	------	-------

Initial Pressure (psia)	Final Pressure (psia)
10.20	20.30

Analytes	Result	RL	DF	Date Analyzed
Carbon Dioxide	65,000	500	10	11/06/2013 09:52
Methane	140	1.0	1	11/05/2013 17:18
Oxygen	82,000	4000	1	11/05/2013 19:23



## Analytical Report

**Client:** Aqua Science Engineers, Inc.  
**Project:** Oliver Salt  
**Date Received:** 11/4/13 20:45  
**Date Prepared:** 11/7/13

**WorkOrder:** 1311070  
**Extraction Method:** SW5030B  
**Analytical Method:** SW8260B  
**Unit:** µg/m<sup>3</sup>

### Volatile Organics by P&T and GC/MS in µg/m<sup>3</sup>

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SVS-6	1311070-002A	Soil Gas	11/01/2013 14:32	GC10	83862

Initial Pressure (psia)	Final Pressure (psia)
10.20	20.30

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Naphthalene	ND	500	1	11/07/2013 22:21

<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>	<u>Date Analyzed</u>
4-BFB	89	70-130	11/07/2013 22:21



## Analytical Report

**Client:** Aqua Science Engineers, Inc.  
**Project:** Oliver Salt  
**Date Received:** 11/4/13 20:45  
**Date Prepared:** 11/6/13

**WorkOrder:** 1311070  
**Extraction Method:** TO15  
**Analytical Method:** TO15  
**Unit:** µg/m<sup>3</sup>

### Volatile Organic Compounds in µg/m<sup>3</sup>

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SVS-5	1311070-001A	Soil Gas	11/01/2013 13:15	GC24	83731

Initial Pressure (psia)	Final Pressure (psia)
12.85	25.61

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Naphthalene	ND	5.3	1	11/06/2013 13:09

<u>Surrogates</u>	<u>REC (%)</u>	<u>Qualifiers</u>	<u>Limits</u>	Analytical Comments: c2
4-BFB	152	S	70-130	11/06/2013 13:09



## Quality Control Report

**Client:** Aqua Science Engineers, Inc.  
**Date Prepared:** 11/5/13  
**Date Analyzed:** 11/5/13  
**Instrument:** GC26  
**Matrix:** Soilgas  
**Project:** Oliver Salt

**WorkOrder:** 1311070  
**BatchID:** 83676  
**Extraction Method:** ASTM D 1946-90  
**Analytical Method:** ASTM D 1946-90  
**Unit:** %  
**Sample ID:** MB/LCS-83676

---

### QC SUMMARY REPORT FOR ASTM D 1946-90

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Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Helium	ND	0.009159	0.0050	0.010	-	91.6	60-140

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## Quality Control Report

**Client:** Aqua Science Engineers, Inc.  
**Date Prepared:** 11/5/13  
**Date Analyzed:** 11/5/13 - 11/6/13  
**Instrument:** GC26  
**Matrix:** SoilGas  
**Project:** Oliver Salt

**WorkOrder:** 1311070  
**BatchID:** 83717  
**Extraction Method:** ASTM D 1946-90  
**Analytical Method:** ASTM D 1946-90  
**Unit:** uL/L  
**Sample ID:** MB/LCS-83717

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### QC SUMMARY REPORT FOR ASTM D 1946-90

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Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Carbon Dioxide	ND	95.47	50	100	-	95.5	70-130
Methane	ND	110.9	1.0	100	-	111	70-130
Oxygen	ND	7223	4000	7000	-	103	70-130

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# Quality Control Report

**Client:** Aqua Science Engineers, Inc.  
**Date Prepared:** 11/8/13  
**Date Analyzed:** 11/8/13  
**Instrument:** GC10  
**Matrix:** Water  
**Project:** Oliver Salt

**WorkOrder:** 1311070  
**BatchID:** 83862  
**Extraction Method:** SW5030B  
**Analytical Method:** SW8260B  
**Unit:** µg/L  
**Sample ID:** MB/LCS-83862  
 1311219-001AMS/MSD

## QC SUMMARY REPORT FOR SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acetone	ND	-	10	-	-	-	-
tert-Amyl methyl ether (TAME)	ND	18.6	0.50	20	-	93	70-130
Benzene	ND	19.93	0.50	20	-	99.6	70-130
Bromobenzene	ND	-	0.50	-	-	-	-
Bromochloromethane	ND	-	0.50	-	-	-	-
Bromodichloromethane	ND	-	0.50	-	-	-	-
Bromoform	ND	-	0.50	-	-	-	-
Bromomethane	ND	-	0.50	-	-	-	-
2-Butanone (MEK)	ND	-	2.0	-	-	-	-
t-Butyl alcohol (TBA)	ND	78.99	2.0	80	-	98.7	70-130
n-Butyl benzene	ND	-	0.50	-	-	-	-
sec-Butyl benzene	ND	-	0.50	-	-	-	-
tert-Butyl benzene	ND	-	0.50	-	-	-	-
Carbon Disulfide	ND	-	0.50	-	-	-	-
Carbon Tetrachloride	ND	-	0.50	-	-	-	-
Chlorobenzene	ND	20.35	0.50	20	-	102	70-130
Chloroethane	ND	-	0.50	-	-	-	-
Chloroform	ND	-	0.50	-	-	-	-
Chloromethane	ND	-	0.50	-	-	-	-
2-Chlorotoluene	ND	-	0.50	-	-	-	-
4-Chlorotoluene	ND	-	0.50	-	-	-	-
Dibromochloromethane	ND	-	0.50	-	-	-	-
1,2-Dibromo-3-chloropropane	ND	-	0.20	-	-	-	-
1,2-Dibromoethane (EDB)	ND	17.52	0.50	20	-	87.6	70-130
Dibromomethane	ND	-	0.50	-	-	-	-
1,2-Dichlorobenzene	ND	-	0.50	-	-	-	-
1,3-Dichlorobenzene	ND	-	0.50	-	-	-	-
1,4-Dichlorobenzene	ND	-	0.50	-	-	-	-
Dichlorodifluoromethane	ND	-	0.50	-	-	-	-
1,1-Dichloroethane	ND	-	0.50	-	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	18.35	0.50	20	-	91.7	70-130
1,1-Dichloroethene	ND	18.83	0.50	20	-	94.1	70-130
cis-1,2-Dichloroethene	ND	-	0.50	-	-	-	-
trans-1,2-Dichloroethene	ND	-	0.50	-	-	-	-
1,2-Dichloropropane	ND	-	0.50	-	-	-	-
1,3-Dichloropropane	ND	-	0.50	-	-	-	-
2,2-Dichloropropane	ND	-	0.50	-	-	-	-
1,1-Dichloropropene	ND	-	0.50	-	-	-	-
cis-1,3-Dichloropropene	ND	-	0.50	-	-	-	-
trans-1,3-Dichloropropene	ND	-	0.50	-	-	-	-

(Cont.)



# Quality Control Report

**Client:** Aqua Science Engineers, Inc.  
**Date Prepared:** 11/8/13  
**Date Analyzed:** 11/8/13  
**Instrument:** GC10  
**Matrix:** Water  
**Project:** Oliver Salt

**WorkOrder:** 1311070  
**BatchID:** 83862  
**Extraction Method:** SW5030B  
**Analytical Method:** SW8260B  
**Unit:** µg/L  
**Sample ID:** MB/LCS-83862  
 1311219-001AMS/MSD

## QC SUMMARY REPORT FOR SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Diisopropyl ether (DIPE)	ND	18.99	0.50	20	-	95	70-130
Ethylbenzene	ND	-	0.50	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	18.48	0.50	20	-	92.4	70-130
Freon 113	ND	-	0.50	-	-	-	-
Hexachlorobutadiene	ND	-	0.50	-	-	-	-
Hexachloroethane	ND	-	0.50	-	-	-	-
2-Hexanone	ND	-	0.50	-	-	-	-
Isopropylbenzene	ND	-	0.50	-	-	-	-
4-Isopropyl toluene	ND	-	0.50	-	-	-	-
Methyl-t-butyl ether (MTBE)	ND	17.8	0.50	20	-	89	70-130
Methylene chloride	ND	-	0.50	-	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	-	0.50	-	-	-	-
Naphthalene	ND	-	0.50	-	-	-	-
n-Propyl benzene	ND	-	0.50	-	-	-	-
Styrene	ND	-	0.50	-	-	-	-
1,1,1,2-Tetrachloroethane	ND	-	0.50	-	-	-	-
1,1,2,2-Tetrachloroethane	ND	-	0.50	-	-	-	-
Tetrachloroethene	ND	-	0.50	-	-	-	-
Toluene	ND	19.03	0.50	20	-	95.1	70-130
1,2,3-Trichlorobenzene	ND	-	0.50	-	-	-	-
1,2,4-Trichlorobenzene	ND	-	0.50	-	-	-	-
1,1,1-Trichloroethane	ND	-	0.50	-	-	-	-
1,1,2-Trichloroethane	ND	-	0.50	-	-	-	-
Trichloroethene	ND	19.2	0.50	20	-	96	70-130
Trichlorofluoromethane	ND	-	0.50	-	-	-	-
1,2,3-Trichloropropane	ND	-	0.50	-	-	-	-
1,2,4-Trimethylbenzene	ND	-	0.50	-	-	-	-
1,3,5-Trimethylbenzene	ND	-	0.50	-	-	-	-
Vinyl Chloride	ND	-	0.50	-	-	-	-
Xylenes, Total	ND	-	0.50	-	-	-	-

### Surrogate Recovery

Dibromofluoromethane	19.67	38.87		45	79	86	70-130
Toluene-d8	23.57	41.31		45	94	92	70-130
4-BFB	2.379	4.155		4.5	95	92	70-130

(Cont.)



## Quality Control Report

**Client:** Aqua Science Engineers, Inc.  
**Date Prepared:** 11/8/13  
**Date Analyzed:** 11/8/13  
**Instrument:** GC10  
**Matrix:** Water  
**Project:** Oliver Salt

**WorkOrder:** 1311070  
**BatchID:** 83862  
**Extraction Method:** SW5030B  
**Analytical Method:** SW8260B  
**Unit:** µg/L  
**Sample ID:** MB/LCS-83862  
 1311219-001AMS/MSD

### QC SUMMARY REPORT FOR SW8260B

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
tert-Amyl methyl ether (TAME)	18.94	19.86	20	ND	94.7	99.3	70-130	4.77	20
Benzene	20.25	20.49	20	ND	101	102	70-130	1.20	20
t-Butyl alcohol (TBA)	71.02	89.53	80	ND	88.8	112	70-130	23.1,F1	20
Chlorobenzene	20.35	20.68	20	ND	102	103	70-130	1.61	20
1,2-Dibromoethane (EDB)	20.18	19.22	20	ND	101	96.1	70-130	4.88	20
1,2-Dichloroethane (1,2-DCA)	20.92	19.22	20	ND	105	96.1	70-130	8.47	20
1,1-Dichloroethene	22.12	19.71	20	ND	111	98.6	70-130	11.5	20
Diisopropyl ether (DIPE)	18.92	19.14	20	ND	94.6	95.7	70-130	1.14	20
Ethyl tert-butyl ether (ETBE)	18.71	19.17	20	ND	93.5	95.8	70-130	2.43	20
Methyl-t-butyl ether (MTBE)	19.44	19.16	20	ND	97.2	95.8	70-130	1.43	20
Toluene	19.77	19.39	20	ND	98.8	97	70-130	1.93	20
Trichloroethene	20.88	20.02	20	ND	104	100	70-130	4.21	20
<b>Surrogate Recovery</b>									
Dibromofluoromethane	44.41	39.95	45		99	89	70-130	10.6	20
Toluene-d8	42.55	41.32	45		95	92	70-130	2.92	20
4-BFB	4.16	4.098	4.5		92	91	70-130	1.51	20



# Quality Control Report

**Client:** Aqua Science Engineers, Inc.  
**Date Prepared:** 11/5/13  
**Date Analyzed:** 11/5/13 - 11/6/13  
**Instrument:** GC24  
**Matrix:** Soilgas  
**Project:** Oliver Salt

**WorkOrder:** 1311070  
**BatchID:** 83731  
**Extraction Method:** TO15  
**Analytical Method:** TO15  
**Unit:** nL/L  
**Sample ID:** MB/LCS-83731

## QC SUMMARY REPORT FOR TO15

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acetone	ND	-	25	-	-	-	-
Acrylonitrile	ND	29.82	0.50	25	-	119	60-140
tert-Amyl methyl ether (TAME)	ND	29.02	0.50	25	-	116	60-140
Benzene	ND	30.79	0.50	25	-	123	60-140
Benzyl chloride	ND	31.47	0.50	25	-	126	60-140
Bromodichloromethane	ND	24.89	0.50	25	-	99.6	60-140
Bromoform	ND	31.85	0.50	25	-	127	60-140
Bromomethane	ND	-	0.50	-	-	-	-
1,3-Butadiene	ND	-	0.50	-	-	-	-
2-Butanone (MEK)	ND	-	25	-	-	-	-
t-Butyl alcohol (TBA)	ND	21.93	10	25	-	87.7	60-140
Carbon Disulfide	ND	31.38	0.50	25	-	126	60-140
Carbon Tetrachloride	ND	27.94	0.50	25	-	112	60-140
Chlorobenzene	ND	27.73	0.50	25	-	111	60-140
Chloroethane	ND	17.07	0.50	25	-	68.3	60-140
Chloroform	ND	23.05	0.50	25	-	92.2	60-140
Chloromethane	ND	22.16	0.50	25	-	88.6	60-140
Cyclohexane	ND	-	5.0	-	-	-	-
Dibromochloromethane	ND	33.39	0.50	25	-	134	60-140
1,2-Dibromo-3-chloropropane	ND	34.33	0.012	25	-	137	60-140
1,2-Dibromoethane (EDB)	ND	26.98	0.50	25	-	108	60-140
1,2-Dichlorobenzene	ND	-	0.50	-	-	-	-
1,3-Dichlorobenzene	ND	28.83	0.50	25	-	115	60-140
1,4-Dichlorobenzene	ND	25.15	0.50	25	-	101	60-140
Dichlorodifluoromethane	ND	23.84	0.50	25	-	95.4	60-140
1,1-Dichloroethane	ND	27.77	0.50	25	-	111	60-140
1,2-Dichloroethane (1,2-DCA)	ND	20.97	0.50	25	-	83.9	60-140
1,1-Dichloroethene	ND	-	0.50	-	-	-	-
cis-1,2-Dichloroethene	ND	30.14	0.50	25	-	121	60-140
trans-1,2-Dichloroethene	ND	30.24	0.50	25	-	121	60-140
1,2-Dichloropropane	ND	25.83	0.50	25	-	103	60-140
cis-1,3-Dichloropropene	ND	32.08	0.50	25	-	128	60-140
trans-1,3-Dichloropropene	ND	28.76	0.50	25	-	115	60-140
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	24.44	0.50	25	-	97.8	60-140
Diisopropyl ether (DIPE)	ND	33.33	0.50	25	-	133	60-140
1,4-Dioxane	ND	30.08	0.50	25	-	120	60-140
Ethanol	ND	-	50	-	-	-	-
Ethyl acetate	ND	28.31	0.50	25	-	113	60-140
Ethyl tert-butyl ether (ETBE)	ND	27.05	0.50	25	-	108	60-140
Ethylbenzene	ND	28.63	0.50	25	-	115	60-140

(Cont.)



# Quality Control Report

**Client:** Aqua Science Engineers, Inc.  
**Date Prepared:** 11/5/13  
**Date Analyzed:** 11/5/13 - 11/6/13  
**Instrument:** GC24  
**Matrix:** Soilgas  
**Project:** Oliver Salt

**WorkOrder:** 1311070  
**BatchID:** 83731  
**Extraction Method:** TO15  
**Analytical Method:** TO15  
**Unit:** nL/L  
**Sample ID:** MB/LCS-83731

## QC SUMMARY REPORT FOR TO15

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
4-Ethyltoluene	ND	-	0.50	-	-	-	-
Freon 113	ND	26.55	0.50	25	-	106	60-140
Heptane	ND	-	5.0	-	-	-	-
Hexachlorobutadiene	ND	28.72	0.50	25	-	115	60-140
Hexane	ND	-	5.0	-	-	-	-
2-Hexanone	ND	-	0.50	-	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	32.43	0.50	25	-	130	60-140
Methyl-t-butyl ether (MTBE)	ND	28.71	0.50	25	-	115	60-140
Methylene chloride	ND	26.14	0.50	25	-	105	60-140
Naphthalene	ND	55.67	1.0	50	-	111	60-140
Propene	ND	-	50	-	-	-	-
Styrene	ND	31.41	0.50	25	-	126	60-140
1,1,1,2-Tetrachloroethane	ND	27.8	0.50	25	-	111	60-140
1,1,2,2-Tetrachloroethane	ND	24.74	0.50	25	-	99	60-140
Tetrachloroethene	ND	26.99	0.50	25	-	108	60-140
Tetrahydrofuran	ND	23.86	0.50	25	-	95.4	60-140
Toluene	ND	27.52	0.50	25	-	110	60-140
1,2,4-Trichlorobenzene	ND	32.11	0.50	25	-	128	60-140
1,1,1-Trichloroethane	ND	28.45	0.50	25	-	114	60-140
1,1,2-Trichloroethane	ND	25.78	0.50	25	-	103	60-140
Trichloroethene	ND	23.36	0.50	25	-	93.4	60-140
Trichlorofluoromethane	ND	-	0.50	-	-	-	-
1,2,4-Trimethylbenzene	ND	27.86	0.50	25	-	111	60-140
1,3,5-Trimethylbenzene	ND	28.33	0.50	25	-	113	60-140
Vinyl Acetate	ND	-	0.50	-	-	-	-
Vinyl Chloride	ND	20.84	0.50	25	-	83.4	60-140
Xylenes, Total	ND	84.5	1.5	75	-	113	60-140

### Surrogate Recovery

1,2-DCA-d4	463.6	555.6		500	93	111	60-140
Toluene-d8	543.9	555.5		500	109	111	60-140
4-BFB	534.8	549.6		500	107	110	60-140



1534 Willow Pass Rd  
 Pittsburg, CA 94565-1701  
 (925) 252-9262

# CHAIN-OF-CUSTODY RECORD

WorkOrder: 1311070

ClientCode: ASED

- WaterTrax  
  WriteOn  
  EDF  
  Excel  
  EQuIS  
 Email  
  HardCopy  
  ThirdParty  
  J-flag

Report to:  
 Robert Kitay  
 Aqua Science Engineers, Inc.  
 55 Oak Court Suite 220  
 Danville, CA 94526  
 (925) 820-9391    FAX: (925) 837-4853

Email: rkitay@aquascienceengineers.com  
 cc:  
 PO:  
 ProjectNo: Oliver Salt

Bill to:  
 Diane Schiell  
 Aqua Science Engineers, Inc.  
 217 Wild Flower Drive  
 Roseville, CA 95678  
 deezthng22@yahoo.com

Requested TAT: 5 days

Date Received: 11/04/2013

Date Printed: 11/04/2013

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)												
					1	2	3	4	5	6	7	8	9	10	11	12	
1311070-001	SVS-5	Soil Gas	11/1/2013 13:15	<input type="checkbox"/>	A	A											
1311070-002	SVS-6	Soil Gas	11/1/2013 14:32	<input type="checkbox"/>	A	A											

Test Legend:

1	LG_SUMMA_SOILGAS	2	O15_Scan-SIM_SOIL(UG/M:	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Zoraida Cortez

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).  
 Hazardous samples will be returned to client or disposed of at client expense.

1311070

**McCAMPBELL ANALYTICAL INC.**  
 1534 WILLOW PASS ROAD / PITTSBURG, CA 94565-1701  
 Website: [www.mccampbell.com](http://www.mccampbell.com) / Email: [main@mccampbell.com](mailto:main@mccampbell.com)  
 Telephone: (877) 252-9262 / Fax: (925) 252-9269

**CHAIN OF CUSTODY RECORD**  
 TURN AROUND TIME       
 RUSH 24 HR 48 HR 72 HR 5 DAY  
 EDF Required? Coelt (Normal) No Write On (DW) No

Report To: *Robert Kitay* Bill To: *Robert Kitay*  
 Company: *Agua Science Engineers*  
*55 Oak Ct, Suite 220*  
*Danville, CA 94526* E-Mail: *rkitay@aguascienceengineers.com*  
 Tele: *(925) 413-8604* Fax: *(925) 837-4853*  
 Project #: Project Name: *oliver Salt*  
 Project Location: *4150 Point Eden Way, Hayward, CA*  
 Sampler Signature: *Rud E. Kitay*

Lab Use Only  
 Pressurized By: \_\_\_\_\_ Date: \_\_\_\_\_  
 Pressurization Gas: N2 \_\_\_\_\_ He \_\_\_\_\_  
 Helium Shroud SN#: \_\_\_\_\_  
 Other: \_\_\_\_\_  
 Notes: \_\_\_\_\_

Field Sample ID (Location)	Collection		Canister SN#	Manifold / Sampler Kit SN#
	Date	Time		
<i>SVS-5</i>	<i>11-13</i>	<i>1315</i>	<i>CAN 5801-732</i>	<i>MAN 316-768</i>
<i>SVS-6</i>	<i>11-13</i>	<i>1432</i>	<i>CAN 5800-731</i>	<i>MAN 316-824</i>

Analysis Requested	Indoor Air	Soil Gas	Canister Pressure/Vacuum			
			Initial	Final	Receipt	Final (psi)
<i>Naphthalene, CO2, O2, H2O, Methane</i>		<i>X</i>	<i>30</i>	<i>5</i>		
<i> </i>		<i>X</i>	<i>27</i>	<i>8</i>		

Relinquished By: *Rud E. Kitay* Date: *11/4* Time: *1010* Received By: *[Signature]*  
 Relinquished By: *[Signature]* Date: *11/4* Time: *1510* Received By: *[Signature]*  
 Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received By: \_\_\_\_\_

Temp (°C): \_\_\_\_\_ Work Order #: \_\_\_\_\_  
 Equipment Condition: \_\_\_\_\_  
 Shipped Via: \_\_\_\_\_



### Sample Receipt Checklist

Client Name: **Aqua Science Engineers, Inc.**

Date and Time Received: **11/4/2013 8:45:37 PM**

Project Name: **Oliver Salt**

LogIn Reviewed by: **Zoraida Cortez**

WorkOrder N°: **1311070** Matrix: Soil Gas

Carrier: Tim Tatum (MAI Courier)

#### Chain of Custody (COC) Information

Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Sample IDs noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Date and Time of collection noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Sampler's name noted on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

#### Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper containers/bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

#### Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature	Cooler Temp:		NA <input checked="" type="checkbox"/>
Water - VOA vials have zero headspace / no bubbles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Sample labels checked for correct preservation?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Metal - pH acceptable upon receipt (pH<2)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Samples Received on Ice?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	

\* NOTE: If the "No" box is checked, see comments below.

-----  
 Comments:



Aqua Science Engineers, Inc. 55 Oak Court, Suite 220, Danville, CA 94526  
(925) 820-9391 - Fax (925) 837-4853 - [www.aquascienceengineers.com](http://www.aquascienceengineers.com)

## **APPENDIX G**

Historical Analytical Data From Previous Borings

**TABLE ONE**  
**Analytical Results of SOIL Samples**  
**Former Oliver Salt, Hayward, California**  
All results are in parts per million (ppm)

Boring Location	Sample Depth	Date Sampled	Sample Type	TPH Diesel	TPH Gasoline	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE
BH-1 **	8.0'	8/1/02	Geoprobe	---	1,100	4.6	< 3.1	17	77	< 3.1
BH-2 **	8.0'	8/1/02	Geoprobe	---	2,000	26	120	33	150	< 12
BH-3 **	8.0'	8/1/02	Geoprobe	---	450	1.7	26	6.7	30	< 1.2
BH-4 **	8.0'	8/1/02	Geoprobe	---	210	0.78	10	2.9	13	< 0.62
BH-5 **	8.0'	8/1/02	Geoprobe	---	410	5.1	20	6.4	27	< 0.62
BH-6 **	8.0'	8/1/02	Geoprobe	---	18	1.3	1.8	< 0.62	1.0	< 0.62
BH-7 **	8.0'	8/1/02	Geoprobe	---	< 1.0	0.11	0.13	0.0065	0.030	< 0.0050
BH-8	8.0'	8/2/02	Geoprobe	---	< 1.0	< 0.0050	0.018	< 0.0050	0.023	< 0.0050
BH-9	8.0'	8/2/02	Geoprobe	---	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
BH-10	8.0'	8/2/02	Geoprobe	---	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
BH-11	8.0'	8/2/02	Geoprobe	---	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
BH-12	8.0'	8/2/02	Geoprobe	---	< 1.0	0.012	< 0.0050	< 0.0050	< 0.0050	< 0.0050
BH-13	8.0'	8/2/02	Geoprobe	---	1,700	< 6.2	98	26	130	< 6.2
BH-14	4.0'	8/2/02	Geoprobe	---	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
BH-15	8.0'	8/2/02	Geoprobe	---	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
BH-16	8.0'	8/22/02	Geoprobe	---	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
BH-17	8.0'	8/22/02	Geoprobe	---	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
BH-18	8.0'	8/22/02	Geoprobe	---	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
BH-19 **	8.0'	8/22/02	Geoprobe	---	< 1.0	0.053	0.15	0.036	0.21	< 0.0050
BH-20 **	8.0'	8/22/02	Geoprobe	---	39	< 0.62	3.1	0.80	3.4	< 0.62
BH-21 **	8.0'	8/22/02	Geoprobe	---	160	< 0.62	9.3	3.1	13	< 0.62
BH-22 **	8.0'	8/22/02	Geoprobe	---	110	2.9	7.9	2.3	10	< 0.62
BH-23 **	8.0'	8/22/02	Geoprobe	---	< 1.0	0.022	< 0.0050	< 0.0050	< 0.0050	< 0.0050
BH-24 **	12.0'	8/23/02	Geoprobe	---	110	4.2	8.4	2.0	9.0	< 0.62
BH-25 **	8.0'	8/23/02	Geoprobe	---	130	4.2	9.2	2.2	9.8	< 0.62

**TABLE ONE**  
**Analytical Results of SOIL Samples**  
**Former Oliver Salt, Hayward, California**  
All results are in parts per million (ppm)

Boring Location	Sample Depth	Date Sampled	Sample Type	TPH Diesel	TPH Gasoline	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE
BH-26	8.0'	8/23/02	Geoprobe	---	220	2.0	12	3.9	18	< 0.62
BH-27	8.0'	8/23/02	Geoprobe	---	< 10	0.85	< 0.62	< 0.62	< 0.62	< 0.62
BH-28 **	10.0'	11/5/02	Geoprobe	---	99	0.99	3.9	0.99	5.6	< 0.62
BH-29 **	9.0'	11/5/02	Geoprobe	---	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
BH-30	9.0'	11/5/02	Geoprobe	---	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
BH-31	9.0'	11/5/02	Geoprobe	---	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
BH-32	7.5'	8/18/05	Geoprobe	< 1.0	< 1.0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.05
BH-33	7.5'	8/18/05	Geoprobe	< 1.0	< 1.0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.05
BH-34	7.7'	8/18/05	Geoprobe	< 1.0	< 1.0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.05
BH-35	7.5'	8/18/05	Geoprobe	< 1.0	< 1.0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.05
BH-36	7.5'	8/18/05	Geoprobe	< 1.0	< 1.0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.05
BH-37	7.5'	8/18/05	Geoprobe	< 1.0	< 1.0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.05
BH-38	7.5'	8/18/05	Geoprobe	< 1.0	< 1.0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.05
BH-39	7.5'	8/19/05	Geoprobe	< 1.0	< 1.0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.05
BH-40	7.5'	8/19/05	Geoprobe	4.1	< 1.0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.05
BH-41	7.5'	8/19/05	Geoprobe	< 1.0	< 1.0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.05
BH-42	2.0'	8/19/05	Geoprobe	1.8	1.4	< 0.005	< 0.005	< 0.005	0.014	< 0.05
BH-43	2.0'	8/19/05	Geoprobe	< 1.0	< 1.0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.05
BH-44 **	4.5'	6/6/06	Geoprobe	4.1	5.1	0.10	< 0.005	0.053	0.0056	< 0.05
BH-45 **	4.5'	6/6/06	Geoprobe	< 1.0	1.1	0.028	0.0066	0.0088	0.031	< 0.05
BH-46 **	4.5'	6/6/06	Geoprobe	< 1.0	< 1.0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.05
BH-47 **	4.5'	6/6/06	Geoprobe	< 1.0	1.5	0.12	< 0.005	< 0.005	0.040	< 0.05
BH-48 **	4.5'	6/6/06	Geoprobe	< 1.0	1.2	0.13	< 0.005	< 0.005	< 0.005	< 0.05
BH-49	4.5'	6/6/06	Geoprobe	< 1.0	< 1.0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.05
BH-50	4.5'	6/6/06	Geoprobe	< 1.0	< 1.0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.05

**TABLE ONE**  
**Analytical Results of SOIL Samples**  
**Former Oliver Salt, Hayward, California**  
All results are in parts per million (ppm)

Boring Location	Sample Depth	Date Sampled	Sample Type	TPH Diesel	TPH Gasoline	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE
BH-51 **	4.5'	6/7/06	Geoprobe	24	150	1.2	5.9	1.9	11	< 1.0
BH-52 **	4.5'	6/7/06	Geoprobe	4.4	19	0.62	0.74	0.17	1.0	< 0.10
	9.5'	6/7/06	Geoprobe	20	69	1.6	3.5	0.92	4.8	< 0.50
	14.5'	6/7/06	Geoprobe	< 1.0	2.1	0.35	0.15	0.025	0.13	< 0.05
BH-53 **	4.5'	6/7/06	Geoprobe	< 1.0	9.1	0.47	0.51	0.13	0.65	< 0.05
BH-54 **	4.5'	6/7/06	Geoprobe	1.8	19	0.69	1.0	0.23	1.3	< 0.05
	9.5'	6/7/06	Geoprobe	56	680	5.8	28	8.3	44	< 10
	14.5'	6/7/06	Geoprobe	1.8	6.3	0.71	0.83	0.11	0.51	< 0.05
	19.5'	6/7/06	Geoprobe	< 1.0	9.9	0.98	1.2	0.14	0.63	< 0.05
	24.5'	6/7/06	Geoprobe	2.6	33	2.0	3.2	0.51	2.4	< 0.17
	29.5'	6/7/06	Geoprobe	< 1.0	< 1.0	0.012	0.0064	< 0.005	< 0.005	< 0.05
BH-55	4.5'	6/7/06	Geoprobe	1.2	7.2	< 0.005	0.016	0.014	0.092	< 0.05
BH-56	4.5'	6/7/06	Geoprobe	< 1.0	< 1.0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.05
BH-57	4.5'	6/7/06	Geoprobe	2.3	1.3	< 0.005	< 0.005	< 0.005	0.010	< 0.05
EX Bottom East		6/7/06	From Backhoe	33	170	0.5	< 0.050	1.7	4.4	< 0.05
EX Bottom West		6/7/06	From Backhoe	2.9	8.8	0.0085	0.0051	0.019	0.059	< 0.05
BH-58	19.5'	11/28/06	Geoprobe	< 1.0	< 1.0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
	24.5'	11/28/06	Geoprobe	< 1.0	< 1.0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
	26.5'	11/28/06	Geoprobe	< 1.0	< 1.0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
	29.5'	11/28/06	Geoprobe	< 1.0	< 1.0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
BH-59 **	19.5'	11/27/06	Geoprobe	< 1.0	< 1.0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
	24.5'	11/27/06	Geoprobe	< 1.0	< 1.0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
	29.5'	11/27/06	Geoprobe	< 1.0	< 1.0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
BH-60	19.5'	11/28/06	Geoprobe	< 1.0	< 1.0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
	24.5'	11/28/06	Geoprobe	< 1.0	< 1.0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
BH-61 **	19.5'	11/28/06	Geoprobe	< 1.0	< 1.0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
	24.5'	11/28/06	Geoprobe	< 1.0	< 1.0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
BH-62	19.5'	11/28/06	Geoprobe	< 1.0	< 1.0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
	24.5'	11/28/06	Geoprobe	< 1.0	< 1.0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
BH-63	19.5'	11/28/06	Geoprobe	< 1.0	< 1.0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
BH-64	19.5'	11/28/06	Geoprobe	< 1.0	< 1.0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
	24.5'	11/28/06	Geoprobe	< 1.0	< 1.0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

**TABLE ONE**  
**Analytical Results of SOIL Samples**  
**Former Oliver Salt, Hayward, California**  
All results are in parts per million (ppm)

Boring Location	Sample Depth	Date Sampled	Sample Type	TPH Diesel	TPH Gasoline	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE
BH-65	10.0'	3/7/07	Geoprobe	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
	20.0'	3/7/07	Geoprobe	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
	30.0'	3/7/07	Geoprobe	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
BH-66	10.0'	3/7/07	Geoprobe	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
	15.0'	3/7/07	Geoprobe	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
	20.0'	3/7/07	Geoprobe	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
	25.0'	3/7/07	Geoprobe	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
	30.0'	3/7/07	Geoprobe	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
BH-67 **	4.5'	4/25/07	Geoprobe	2.2	21	0.14	0.33	0.12	1.1	<0.05
	8.0'	4/25/07	Geoprobe	54	200	0.85	6.5	2.0	10	<1.7
	9.5'	4/25/07	Geoprobe	180	720	7.9	30	7.3	35	<5.0
	12.0'	4/25/07	Geoprobe	3.3	38	0.85	1.1	0.52	2.2	<0.05
	29.5'	4/25/07	Geoprobe	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
BH-68	19.5'	4/23/07	Geoprobe	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
	29.5'	4/23/07	Geoprobe	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
BH-69	5.0'	3/7/07	Geoprobe	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
	10.0'	3/7/07	Geoprobe	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
	15.0'	3/7/07	Geoprobe	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
	20.0'	3/7/07	Geoprobe	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
	25.0'	3/7/07	Geoprobe	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
	35.0'	3/7/07	Geoprobe	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
BH-70	14.5'	4/24/07	Geoprobe	<1.0	<1.0	0.016	<0.005	<0.005	<0.005	<0.05
	29.5'	4/24/07	Geoprobe	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
BH-71	19.5'	4/24/07	Geoprobe	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
	29.5'	4/24/07	Geoprobe	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
BH-72	19.5'	4/24/07	Geoprobe	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
	29.5'	4/24/07	Geoprobe	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
BH-73 **	14.5'	4/25/07	Geoprobe	<1.0	2.0	0.49	0.22	<0.005	0.0094	<0.05
	29.5'	4/25/07	Geoprobe	<1.0	<1.0	0.052	0.0081	<0.005	0.014	<0.05

**TABLE ONE**  
**Analytical Results of SOIL Samples**  
**Former Oliver Salt, Hayward, California**  
All results are in parts per million (ppm)

Boring Location	Sample Depth	Date Sampled	Sample Type	TPH Diesel	TPH Gasoline	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE
BH-74	6.0'	4/23/07	Geoprobe	<b>1.3</b>	< 1.0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.05
	8.0'	4/23/07	Geoprobe	<b>9.3</b>	< 1.0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.05
	17.5'	4/23/07	Geoprobe	<b>4.9</b>	<b>23</b>	<b>0.23</b>	<b>0.023</b>	<b>0.19</b>	<b>1.1</b>	< 0.05
	29.5'	4/23/07	Geoprobe	< 1.0	< 1.0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.05
BH-75	7.5'	11/1/13	Geoprobe	<b>1.9</b>	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050
BH-76	8.0'	11/1/13	Geoprobe	<b>5.4</b>	<b>2.5</b>	< 0.0050	< 0.0050	< 0.0050	< 0.0050	<b>0.020</b>
BH-77	7.5'	11/1/13	Geoprobe	<b>1.1</b>	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050
BH-78	2.0'	11/1/13	Geoprobe	<b>50</b>	<b>25</b>	<b>0.0056</b>	<b>0.043</b>	<b>0.054</b>	<b>0.34</b>	< 0.050
	3.5'	11/1/13	Geoprobe	<b>1.2</b>	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050
BH-79	2.0'	11/1/13	Geoprobe	< 1.0	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050
	4.0'	11/1/13	Geoprobe	< 1.0	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050
BH-80	2.0'	11/1/13	Geoprobe	<b>1.5</b>	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050
	4.0'	11/1/13	Geoprobe	<b>1.7</b>	<b>1.7</b>	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050
ESL				180	180	0.27	9.3	4.7	11	8.4

Notes:

MTBE = Methyl-t-butyl ether

ESL = Environmental screening levels for sites where groundwater is not a current or potential source of drinking water as presented in the "Screening For Environmental Concerns at Sites With Contaminated Soil and Groundwater (May 2013)" document prepared by the California Regional Water Quality Control Board, San Francisco Bay Region.

--- = Samples Not Analyzed for this compound.

Non-detectable concentrations are noted by the less than symbol (<) followed by the detection limit.

Detectable concentrations in **bold**.

Boxed concentrations exceed the ESL

\*\* = Boring in in-situ treatment area; highlighted samples in treated location and no longer represents current conditions.

**TABLE TWO**  
**Analytical Results of GROUNDWATER Samples**  
**Former Oliver Salt, Hayward, California**  
All results are in parts per billion (ppb)

Boring Location	Sample Depth	Date Sampled	Sample Type	TPH Diesel	TPH Gasoline	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE
BH-1 **	---	8/1/02	Geoprobe	---	30,000	7,400	570	460	2,400	< 500
BH-2 **	---	8/1/02	Geoprobe	---	23,000	4,600	5,400	250	1,500	< 250
BH-3 **	---	8/1/02	Geoprobe	---	5,200	1,000	1,100	26	180	< 250
BH-4 **	---	8/1/02	Geoprobe	---	1,300	170	240	28	130	< 5.0
BH-5 **	---	8/1/02	Geoprobe	---	2,700	550	520	32	200	< 25
BH-6 **	---	8/1/02	Geoprobe	---	3,400	310	720	65	360	< 25
BH-7 **	---	8/1/02	Geoprobe	---	17,000	2,300	3,500	310	1,900	< 250
BH-8	---	8/2/02	Geoprobe	---	170	20	45	1.5	7.0	< 5.0
BH-9	---	8/2/02	Geoprobe	---	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0
BH-10	---	8/2/02	Geoprobe	---	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0
BH-11	---	8/2/02	Geoprobe	---	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0
BH-12	---	8/2/02	Geoprobe	---	160	54	6.2	< 0.50	< 0.50	< 5.0
BH-13	---	8/2/02	Geoprobe	---	7,400	1,200	1,500	77	460	< 250
BH-14	---	8/2/02	Geoprobe	---	340	30	8.4	1.1	11	< 5.0
BH-15	---	8/2/02	Geoprobe	---	< 50	2.0	< 0.50	< 0.50	< 0.50	< 5.0
BH-16	---	8/22/02	Geoprobe	---	76	15	< 0.5	1.4	7.2	< 5.0
BH-17	---	8/22/02	Geoprobe	---	< 50	< 0.50	1.6	0.55	4.2	< 5.0
BH-18	---	8/22/02	Geoprobe	---	80	9.5	< 0.50	< 0.50	2.1	< 5.0
BH-19 **	---	8/22/02	Geoprobe	---	5,800	330	980	160	940	< 50
BH-20 **	---	8/22/02	Geoprobe	---	4,500	410	990	110	590	< 50
BH-21 **	---	8/22/02	Geoprobe	---	20,000	2,400	3,800	480	1,900	< 130
BH-22 **	---	8/22/02	Geoprobe	---	3,200	280	440	89	460	< 25
BH-23 **	---	8/22/02	Geoprobe	---	920	280	61	8.2	36	< 25
BH-24 **	---	8/23/02	Geoprobe	---	13,000	1,500	3,000	200	950	< 130
BH-25 **	---	8/23/02	Geoprobe	---	3,300	560	600	50	250	< 25

**TABLE TWO**  
**Analytical Results of GROUNDWATER Samples**  
**Former Oliver Salt, Hayward, California**  
All results are in parts per billion (ppb)

Boring Location	Sample Depth	Date Sampled	Sample Type	TPH Diesel	TPH Gasoline	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE
BH-26	---	8/23/02	Geoprobe	---	13,000	1,200	3,600	270	1,400	< 250
BH-27	---	8/23/02	Geoprobe	---	9,800	2,200	1,700	130	620	< 130
BH-28 **	---	11/5/02	Geoprobe	---	27,000	2,200	5,700	700	3,200	< 250
BH-29 **	---	11/5/02	Geoprobe	---	1,100	42	67	20	81	< 5.0
BH-30	---	11/5/02	Geoprobe	---	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0
BH-31	---	11/5/02	Geoprobe	---	170	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0
BH-32	---	8/18/05	Geoprobe	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0
BH-33	---	8/18/05	Geoprobe	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0
BH-34	---	8/18/05	Geoprobe	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0
BH-35	---	8/18/05	Geoprobe	< 50	< 50	< 0.50	0.94	< 0.50	< 0.50	< 5.0
BH-36	---	8/18/05	Geoprobe	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0
BH-37	---	8/18/05	Geoprobe	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0
Eastern Ex		8/18/05	Grab	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0
Western Ex		8/18/05	Grab	< 50	< 50	< 0.50	1.0	< 0.50	< 0.50	< 5.0
BH-38	---	8/18/05	Geoprobe	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0
BH-39	---	8/19/05	Geoprobe	< 50	58	8.4	1.1	< 0.50	< 0.50	< 5.0
BH-41	---	8/19/05	Geoprobe	< 50	160	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0
BH-42	---	8/19/05	Geoprobe	83	75	1.9	1.5	< 0.5	2.2	< 5.0
BH-43	---	8/19/05	Geoprobe	430	< 50	1.9	1.4	< 0.5	1.7	< 5.0
BH-44 **	---	6/6/06	Geoprobe	740	7,400	810	1,000	150	650	< 250
BH-45 **	---	6/6/06	Geoprobe	570	2,300	270	280	17	190	< 25
BH-46 **	---	6/6/06	Geoprobe	< 50	1,100	320	85	7.1	38	< 25
BH-47 **	---	6/6/06	Geoprobe	930	24,000	3,300	1,300	290	1,000	< 500
BH-48 **	---	6/6/06	Geoprobe	1,600	41,000	8,300	1,100	540	2,600	< 500
BH-49	---	6/6/06	Geoprobe	< 50	850	350	3.8	12	7.8	< 15

**TABLE TWO**  
**Analytical Results of GROUNDWATER Samples**  
**Former Oliver Salt, Hayward, California**  
All results are in parts per billion (ppb)

Boring Location	Sample Depth	Date Sampled	Sample Type	TPH Diesel	TPH Gasoline	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE
BH-50	---	6/6/06	Geoprobe	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0
BH-51 **	---	6/7/06	Geoprobe	300	21,000	3,500	2,200	210	960	< 500
BH-52 **	4.5'	6/7/06	Geoprobe	290	16,000	3,300	2,400	280	1,200	< 50
BH-54 **	---	6/7/06	Geoprobe	6,900	35,000	4,200	5,800	690	3,200	< 250
BH-55	---	6/7/06	Geoprobe	< 50	72	9.7	0.75	< 0.5	0.90	< 5.0
BH-56	---	6/7/06	Geoprobe	59	64	1.2	3.4	0.81	5.0	< 5.0
BH-57	---	6/7/06	Geoprobe	< 50	< 50	0.73	0.60	< 0.5	0.62	< 5.0
BH-58	20-25'	11/28/06	Geoprobe	< 50	120	30	0.71	< 0.5	< 0.5	< 0.5
BH-65	12-15'	3/7/07	Geoprobe	< 50	< 50	< 0.5	0.98	< 0.5	< 0.5	< 5.0
	27-30'	3/7/07	Geoprobe	< 50	< 50	< 0.5	1.3	< 0.5	< 0.5	< 5.0
BH-66	26-29'	3/7/07	Geoprobe	< 50	65	8.9	0.66	< 0.5	< 0.5	< 5.0
BH-67 **	12-15'	4/25/07	Geoprobe	4,600	19,000	1,600	2,300	230	1,000	< 100
	25-30'	4/25/07	Geoprobe	< 50	550	110	63	4.7	22	< 5.0
BH-68	14-20'	4/23/07	Geoprobe	330	280	72	1.9	5.2	19	< 5.0
	21-25'	4/23/07	Geoprobe	200	150	49	< 0.5	0.80	2.7	< 5.0
BH-69	12-15'	3/7/07	Geoprobe	< 50	< 50	< 0.5	0.85	< 0.5	< 0.5	< 5.0
BH-70	8-12'	4/24/07	Geoprobe	65	2,400	390	18	56	150	< 45
	23-27'	4/24/07	Geoprobe	< 50	< 50	1.3	< 0.5	< 0.5	< 0.5	< 5.0
BH-71	8-12'	4/24/07	Geoprobe	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0
	24-28'	4/24/07	Geoprobe	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0
BH-72	12-15'	4/24/07	Geoprobe	110	< 50	< 0.5	0.80	< 0.5	0.51	< 5.0
	23-27'	4/24/07	Geoprobe	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0
BH-73	8-12'	4/25/07	Geoprobe	180	880	110	4.1	28	81	< 5.0
	22-25'	4/25/07	Geoprobe	< 50	16,000	4,500	3,400	120	660	< 240
	27-30'	4/25/07	Geoprobe	< 50	2,400	630	80	9.4	39	< 30

**TABLE TWO**  
**Analytical Results of GROUNDWATER Samples**  
**Former Oliver Salt, Hayward, California**  
 All results are in parts per billion (ppb)

Boring Location	Sample Depth	Date Sampled	Sample Type	TPH Diesel	TPH Gasoline	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE
BH-74	12-15'	4/23/07	Geoprobe	580	260	57	4.4	3.5	19	< 5.0
	25-28'	4/23/07	Geoprobe	< 50	180	63	2.9	1.3	3.9	< 5.0
BH-75	8-12'	11/1/13	Geoprobe	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0
BH-76	8-12'	11/1/13	Geoprobe	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0
BH-77	8-12'	11/1/13	Geoprobe	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0
CPT-1	54-58'	12/31/13	Hydropunch	< 50	< 50	<b>3.7</b>	<b>0.86</b>	< 0.5	<b>1.1</b>	< 5.0
CPT-2	54-58'	12/31/13	Hydropunch	< 50	< 50	<b>1.8</b>	<b>2.4</b>	< 0.5	<b>1.5</b>	< 5.0
ESL				210	210	46	130	43	100	1,800

Notes:

MTBE = Methyl-t-butyl ether

ESL = Environmental screening levels for sites where groundwater is not a current or potential source of drinking water as presented in the "Screening For Environmental Concerns at Sites With Contaminated Soil and Groundwater May 2013)" document prepared by the California Regional Water Quality Control Board, San Francisco Bay Region.

--- = Samples Not Analyzed for this compound.

Non-detectable concentrations are noted by the less than symbol (<) followed by the detection limit.

Detectable concentrations are in **bold**.

Boxed concentrations exceed the ESL

\*\* = Boring in in-situ treatment area: highlighted samples in treated location and no longer represents current conditions.

CALIFORNIA REGIONAL WATER  
DEC 22 2014  
QUALITY CONTROL BOARD

**Recording Requested By:**

Oliver Properties, LLC  
c/o: Morey Greenstein, Trustee,  
Greenstein, Rogoff & Co  
39159 Paseo Padre Parkway, Suite 315  
Fremont, CA 94538



2014313273 12/23/2014 02:19 PM  
OFFICIAL RECORDS OF ALAMEDA COUNTY  
PATRICK O'CONNELL  
RECORDING FEE: 88.00

**When Recorded, Mail To:**

Executive Officer  
California Regional Water Quality Control  
Board, San Francisco Bay Region  
1515 Clay Street, Suite 1400  
Oakland, California 94612



SPACE ABOVE THIS LINE RESERVED FOR RECORDER'S USE

**COVENANT AND ENVIRONMENTAL RESTRICTION  
ON PROPERTY pursuant to California Civil Code 1471**

**FORMER OLD OLIVER SALT PLANT  
4150 Eden Point Way, Hayward, California**

This Covenant and Environmental Restriction on Property (this "Covenant") is made as of the 19<sup>th</sup> day of December 2014 by Oliver Properties LLC ("Covenantor"), the Owner of record of that certain property situated at 4150 Eden Point Way in the City of Hayward, County of Alameda, State of California which is more particularly described in Exhibit A attached hereto and incorporated herein by this reference, (which includes such portions hereinafter referred to as the "Burdened Property" as shown on Exhibit B, Figures 1 & 2), for the benefit of the California Regional Water Quality Control Board for the San Francisco Bay Region (the "Board"), with reference to the following facts:

- A. Soil and groundwater on a portion of the Burdened Property contains hazardous materials.
- B. Contamination of the Burdened Property. The Burdened Property was contaminated by petroleum products leaking from underground fuel storage tanks (USTs) for gasoline-powered locomotives operated by the Oliver Brothers Salt Company for historic salt harvesting operations between 1937 until 1981. These operations resulted in contamination of soil and groundwater with organic chemicals including total petroleum hydrocarbons as gasoline (TPH-G), TPH as diesel (TPH-D), and benzene, toluene, ethylbenzene, xylenes (BTEX), which constitute hazardous materials as that term is defined in Health & Safety Code Section 25260.

Contamination at the Burdened Property was first discovered in May 1998 during the removal of two USTs located near the former Shop and Train Barn. This contamination has been assessed by 80 soil borings with soil and groundwater sampling, six soil vapor

monitoring points, and 12 groundwater monitoring wells. Remedial actions implemented at the Burdened Property have included extensive soil excavation, groundwater dewatering, and in-situ chemical oxidation by soil mixing. Post-remediation residual concentrations of TPH-G and BTEX present in soil vapor and in groundwater as summarized below.

- (i) TPH-G and BTEX concentrations in soil at the Burdened Property have been removed to the extent feasible, and residual concentrations meet commercial Environmental Screening Levels (ESLs) developed by the California Regional Water Quality Control Board, San Francisco Bay Region (ESLs, Interim Final, December 2013)
- (ii) TPH-G and BTEX impacted groundwater underlies the Burdened Property at approximately five feet below grade, and forms a plume approximately 300 feet long by 150 feet wide at the Burdened Property (Exhibit B - Figure 2), and this area is referenced herein as "Area of Restriction." Aqua Science Engineers concluded that decreasing ratios of BTEX: TPH-G seen in Monitoring Wells MW-7, MW-9 and MW-12 demonstrate that biodegradation has been actively occurring in groundwater (ASE, 2014).
- (iii) TPH-G and BTEX concentrations in soil vapor samples collected at certain locations (i.e., SVS-1, SVS-2, SVS-3, and SVS-4) at the Burdened Property exceed the residential and commercial ESLs and could pose a vapor intrusion threat to future overlying structures in these locations.

The presence of TPH-G and BTEX presents no risk to public health as long as site activities are conducted consistent with the Board Approved Risk Management Plan (RMP) described in the paragraph G below.

C. Exposure Pathways. At present, the Burdened Property is vacant and fenced and consists of only the former Process Plant building and miscellaneous debris. The contaminants addressed in this Covenant are present in soil, soil vapor and groundwater in the central portion of the Burdened Property identified on Figure 1 of Exhibit B. Without the mitigation measures described in the RMP and the restrictions provided in this Covenant, exposure to these contaminants could take place via inhalation, dermal contact, and ingestion pathways.

D. Adjacent Land Uses and Population Potentially Affected. At present, the Burdened Property is used for commercial and industrial use and is adjacent to other commercial and industrial land uses.

E. Disclosure. Full and voluntary disclosure to the Board of the presence of hazardous materials on the Burdened Property has been made and extensive sampling of the Burdened Property has been conducted.

F. Use of Burdened Property. Covenantor desires and intends that in order to benefit the Board, and to protect the present and future public health and safety, the Burdened Property shall be used in a manner consistent with the RMP to avoid potential harm to persons or property that may result from exposure to the residual contaminants on portions of the Burdened Property.

G. Management of Residual Pollution. In order to assure continued protection of human health and the environmental, the RMP has been reviewed and approved by the Board at a public meeting, after public comment and is incorporated herein by this reference as shown in "Exhibit C." The RMP has been developed to assure proper long-term management of any impacted soil, soil vapor or groundwater. The RMP sets forth risk management and site control protocols for the property use during current conditions and future development. Use and future redevelopment of the land shall take into account the presence of the residual contaminants and will address the risks as provided for in the RMP.

## **ARTICLE I GENERAL PROVISIONS**

1.1 Provisions to Run with the Land. This Covenant sets forth protective provisions, covenants, conditions and restrictions (collectively referred to as "Restrictions") upon and subject to which the Burdened Property and every portion thereof shall be improved, held, used, occupied, leased, sold, hypothecated, encumbered, and/or conveyed. The restrictions set forth in Article III are reasonably necessary to protect present and future human health and safety or the environment as a result of the presence on the land of hazardous materials. Each and all of the Restrictions shall run with the land, and pass with each and every portion of the Burdened Property, and shall apply to, inure to the benefit of, and bind the respective successors in interest thereof, for the benefit of the Board and all Owners and Occupants. Each and all of the Restrictions are imposed upon the entire Burdened Property unless expressly stated as applicable to a specific portion of the Burdened Property. Each and all of the Restrictions run with the land pursuant to section 1471 of the Civil Code. Each and all of the Restrictions are enforceable by the Board.

1.2 Concurrence of Owners and Lessees Presumed. All purchasers, lessees, or possessors of any portion of the Burdened Property shall be deemed by their purchase, leasing, or possession of such Burdened Property, to be in accord with the foregoing and to agree for and among themselves, their heirs, successors, and assignees, and the agents, employees, and lessees of such owners, heirs, successors, and assignees, that the Restrictions as herein established must be adhered to for the benefit of the Board and the Owners and Occupants of the Burdened Property and that the interest of the Owners and Occupants of the Burdened Property shall be subject to the Restrictions contained herein.

1.3 Incorporation into Deeds and Leases. Covenantor desires and covenants that the Restrictions set out herein shall be incorporated in and attached to each and all deeds and leases of any portion of the Burdened Property. Recordation of this Covenant shall be deemed binding on all successors, assigns, and lessees, regardless of whether a copy of this Covenant and Agreement has been attached to or incorporated into any given deed or lease.

1.4 Purpose. It is the purpose of this instrument to convey to the Board real property rights, which will run with the land, to facilitate the remediation of past environmental contamination and to protect human health and the environment by reducing the risk of exposure to residual hazardous materials.

**ARTICLE II  
DEFINITIONS**

2.1 Board. "Board" shall mean the California Regional Water Quality Control Board for the San Francisco Bay Region and shall include its successor agencies, if any.

2.2 Improvements. "Improvements" shall mean all buildings, roads, driveways, regradings, and paved parking areas, constructed or placed upon any portion of the Burdened Property.

2.3 Occupants. "Occupants" shall mean Owners and those persons entitled by ownership, leasehold, or other legal relationship to the exclusive right to use and/or occupy all or any portion of the Burdened Property.

2.4 Owner or Owners. "Owner" or "Owners" shall mean the Covenantor and/or its successors in interest, who hold title to all or any portion of the Burdened Property.

2.5 RMP. "RMP" shall mean the Risk Management Plan Environmental Conditions, former Old Oliver Salt Plan, 4150 Point Eden Way, Hayward, California dated October 2014 and incorporated into this Covenant as Exhibit C, including any revisions or amendment thereto which have been approved in writing by the Board.

**ARTICLE III  
DEVELOPMENT, USE AND CONVEYANCE OF THE BURDENED PROPERTY**

3.1 Restrictions on Development and Use. Covenantor promises to restrict the use of the Burdened Property as follows:

- a. No inhabited structure may be built upon the Burdened Property except in compliance with the RMP, with notice to the Board.
- b. No excavation may be performed on the Burdened Property, except in compliance with the RMP. Any contaminated soils or groundwater brought to the surface by grading, excavation, trenching, backfilling or dewatering shall be managed by Covenantor or his agent in accordance with all applicable provisions of local, state and federal law.
- c. All uses and development of the Burdened Property shall be consistent with the RMP. All uses and development shall preserve the integrity of any cap, vapor barrier or venting system to mitigate the potential for vapor intrusion, or any remedial measures or remedial equipment installed, and any groundwater monitoring system installed on the Burdened Property pursuant to the requirements of the Board, unless otherwise expressly permitted in writing by the Board.
- d. No water wells may be installed or operated on the Property unless expressly permitted in writing by the Board.
- e. The Covenantor agrees that the Board, and/or any persons acting pursuant to Board

orders, shall have reasonable access to the Burdened Property for the purposes of inspection, surveillance, maintenance, or monitoring, as provided for in Division 7 of the Water Code.

f. No Owner or Occupant of the Burdened Property shall act in any manner that will aggravate or contribute to the existing environmental conditions of the Burdened Property.

g. The Owner shall notify the Board of each of the following: (1) The type, cause, location and date of any disturbance to any cap, vapor barrier, any remedial measures taken or remedial equipment installed, and of the groundwater monitoring system installed on the Burdened Property pursuant to the requirements of the Board, which could affect the ability of such cap or remedial measures, remedial equipment, or monitoring system to perform their respective functions and (2) the type and date of repair of such disturbance. Notification to the Board shall be made by registered mail within ten (10) working days of both the discovery of such disturbance and the completion of repairs;

3.2 Enforcement. Failure of an Owner or Occupant to comply with any of the restrictions, as set forth in paragraph 3.1, shall be grounds for the Board, by reason of this Covenant, to have the authority to require that the Owner modify or remove any Improvements constructed in violation of that paragraph. Violation of the Covenant shall be grounds for the Board to file civil actions against the Owner as provided by law.

3.3 Notice in Agreements. After the date of recordation hereof, all Owners and Occupants shall execute a written instrument which shall accompany all purchase agreements or leases relating to the property. Any such instrument shall contain the following statement:

The land described herein contains hazardous materials in soils and in the ground water under the property, and is subject to a deed restriction dated as of \_\_\_\_\_, 2014, and recorded on \_\_\_\_\_, 2014, in the Official Records of \_\_\_\_\_ County, California, as Document No. \_\_\_\_\_, which Covenant and Restriction imposes certain covenants, conditions, and restrictions on usage of the property described herein. This statement is not a declaration that a hazard exists.

#### **ARTICLE IV VARIANCE AND TERMINATION**

4.1 Variance. Any Owner or, with the Owner's consent, any Occupant of the Burdened Property or any portion thereof may apply to the Board for a written variance from the provisions of this Covenant.

4.2 Termination. Any Owner or, with the Owner's consent, any Occupant of the Burdened Property or a portion thereof may apply to the Board for a termination of the Restrictions as they apply to all or any portion of the Burdened Property.

4.3 Term. Unless terminated in accordance with paragraph 4.2 above, by law or otherwise,

this Covenant shall continue in effect in perpetuity.

## ARTICLE V MISCELLANEOUS

5.1 No Dedication Intended. Nothing set forth herein shall be construed to be a gift or dedication, or offer of a gift or dedication, of the Burdened Property or any portion thereof to the general public.

5.2 Notices. Whenever any person gives or serves any notice, demand, or other communication with respect to this Covenant, each such notice, demand, or other communication shall be in writing and shall be deemed effective (1) when delivered, if personally delivered to the person being served or official of a government agency being served, or (2) three (3) business days after deposit in the mail if mailed by United States mail, postage paid certified, return receipt requested:

*If To: "Covenantor"*  
Oliver Properties LLC  
Attention: Mr. Morey Greenstein  
39111 Paseo Padre Parkway, Suite 317  
Fremont, CA 94538

*If To: "Board"*  
Regional Water Quality Control Board  
San Francisco Bay Region  
Attention: Executive Officer  
1515 Clay Street, Suite 1400  
Oakland, California 94612

5.3 Partial Invalidity. If any portion of the Restrictions or terms set forth herein is determined to be invalid for any reason, the remaining portion shall remain in full force and effect as if such portion had not been included herein.

5.4 Article Headings. Headings at the beginning of each numbered article of this Covenant are solely for the convenience of the parties and are not a part of the Covenant.

5.5 Recordation. This instrument shall be executed by the Covenantor and by the Executive Officer of the Board. This instrument shall be recorded by the Covenantor in the County of Alameda within ten (10) days of the date of execution.

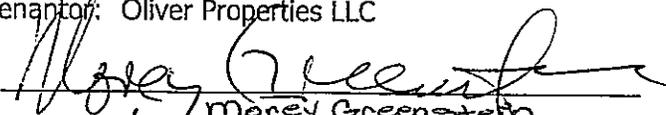
5.6 References. All references to Code sections include successor provisions.

5.7 Construction. Any general rule of construction to the contrary notwithstanding, this instrument shall be liberally construed in favor of the Covenant to effect the purpose of this instrument and the policy and purpose of the Water Code. If any provision of this instrument is found to be ambiguous, an interpretation consistent with the purpose of this instrument that

would render the provision valid shall be favored over any interpretation that would render it invalid.

IN WITNESS WHEREOF, the parties execute this Covenant as of the date set forth above.

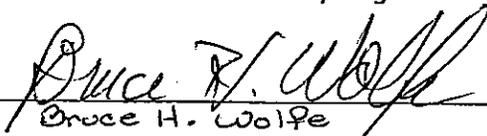
Covenantor: Oliver Properties LLC

By: 

Title: MANAGER - TRUSTEE

Date: 12/19/14

Agency: State of California  
Regional Water Quality Board,  
San Francisco Bay Region

By: 

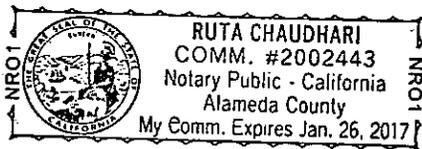
Title: Executive Officer

Date: 12/23/14

STATE OF CALIFORNIA )

COUNTY OF Alameda)

On 14th Dec, 2014 before me, the undersigned a Notary Public in and for said state, personally appeared Morey Greenstein [Covenantor], personally known to me or proved to me on the basis of satisfactory evidence to be the person who executed the within instrument.



WITNESS my hand and official seal.

Ruta Chaudhari  
Notary Public in and for said

County and State Alameda County  
CA.

California All-Purpose Acknowledgment Attached

STATE OF CALIFORNIA )

COUNTY OF \_\_\_\_\_ )

On \_\_\_\_\_, 20\_\_ before me, the undersigned a Notary Public in and for said state, personally appeared [EXECUTIVE OFFICER], personally known to me or proved to me on the basis of satisfactory evidence to be the person who executed the within instrument.

WITNESS my hand and official seal.

See attached Acknowledgment  
Notary Public in and for said

County and State

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

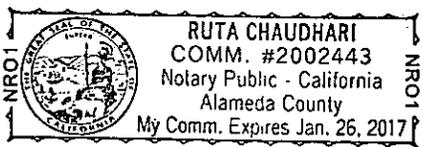
State of California

County of Alameda

On 19th Dec 2014 before me, Ruta Chaudhari Notary public

personally appeared Moxey Greenstein

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) (is/are) subscribed to the within instrument and acknowledged to me that (he/she/they) executed the same in (his/her/their) authorized capacity(ies), and that by (his/her/their) signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature: Ruta Chaudhari

Place Notary Seal Above

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: Covenant and Environmental Restriction

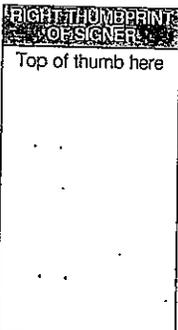
Document Date: \_\_\_\_\_ Number of Pages: 7

Signer(s) Other Than Named Above: \_\_\_\_\_

Capacity(ies) Claimed by Signer(s)

Signer's Name: \_\_\_\_\_

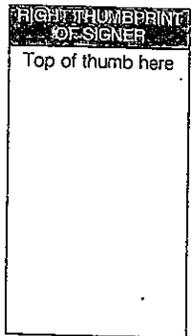
- Corporate Officer — Title(s): \_\_\_\_\_
- Individual
- Partner —  Limited  General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: \_\_\_\_\_



Signer Is Representing: \_\_\_\_\_

Signer's Name: \_\_\_\_\_

- Corporate Officer — Title(s): \_\_\_\_\_
- Individual
- Partner —  Limited  General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: \_\_\_\_\_



Signer Is Representing: \_\_\_\_\_

# CALIFORNIA ALL-PURPOSE CERTIFICATE OF ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California )

County of Alameda )

On December 23, 2014 before me, A. M. Saunders Notary Public.  
(Here insert name and title of the officer)

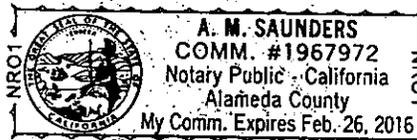
personally appeared

Bruce H. Wolfe

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

A. M. Saunders  
Signature of Notary Public

(Seal)



## ADDITIONAL OPTIONAL INFORMATION

### DESCRIPTION OF THE ATTACHED DOCUMENT

Covenant and Environmental Restriction  
(Title or description of attached document)

(Title or description of attached document continued)

Number of Pages 9 Document Date 12/19/2014

## INSTRUCTIONS

- State and County information must be the State and County where the document signer(s) personally appeared before the notary public for acknowledgment.
- Date of notarization must be the date that the signer(s) personally appeared which must also be the same date the acknowledgment is completed.
- The notary public must print his or her name as it appears within his or her commission followed by a comma and then your title (notary public). Print the name(s) of document signer(s) who personally appear at the time of notarization.
- Indicate the correct singular or plural forms by crossing off incorrect forms (i.e. he/she/they, is /are ) or circling the correct forms. Failure to correctly indicate this information may lead to rejection of document recording.
- The notary seal impression must be clear and photographically reproducible.
- Impression must not cover text or lines. If seal impression smudges, re-seal if a sufficient area permits, otherwise complete a different acknowledgment form.
- Signature of the notary public must match the signature on file with the office of the county clerk.
- Additional information is not required but could help to ensure this acknowledgment is not misused or attached to a different document.
- Securely attach this document to the signed document with a staple.

EXHIBIT A

LEGAL DESCRIPTION OF PROPERTY

Oliver Properties, LLC

at 4150 Point Eden Way, City of Hayward

Alameda County, California

**LEGAL DESCRIPTION**

**EXHIBIT "A"**

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE CITY OF HAYWARD, COUNTY OF ALAMEDA, STATE OF CALIFORNIA, AND IS DESCRIBED AS FOLLOWS:

**PARCEL ONE:**

BEGINNING AT A POINT TWENTY (20) CHAINS WEST OF THE SOUTHEAST CORNER OF TOWNSHIP 3 SOUTH, RANGE 3 WEST, MOUNT DIABLO BASE AND MERIDIAN; AND RUNNING THENCE NORTH TWENTY (20) CHAINS TO THE CENTER OF A ROAD LEADING TO JOHNSON'S LANDING; THENCE FOLLOWING THE CENTER OF SAID ROAD, SOUTH 14° 15' WEST, 1.37 CHAINS; SOUTH 70° 30' WEST, 2.30 CHAINS; SOUTH 89° 35' WEST, 2.85 CHAINS; NORTH 68° 25' WEST, 29.90 CHAINS, NORTH 49° 03' WEST, 606 CHAINS TO A POINT; THENCE NORTH 83° WEST, 14.70 CHAINS TO THE CENTER OF A NAVIGABLE SLOUGH; THENCE FOLLOWING THE CENTER OF SAID SLOUGH, SOUTH 56° 52' WEST, 11.34 CHAINS TO A POINT ON THE BAY OF SAN FRANCISCO'S MARGIN; THENCE FOLLOWING SAID MARGIN LINE, SOUTH 10° 15' EAST 29.04 CHAINS TO A POINT; THENCE EAST 56 CHAINS TO THE POINT OF BEGINNING.

EXCEPTING THEREFROM, ALL THAT CERTAIN 9.08 ACRE PARCEL CONVEYED TO SAN FRANCISCO BAY TOLL-BRIDGE COMPANY, A CORPORATION, BY DEED RECORDED January 11, 1928, IN BOOK 1779 OF OFFICIAL RECORDS OF ALAMEDA COUNTY, PAGE 211.

ALSO EXCEPTING THEREFROM, THAT PORTION THEREOF CONVEYED TO LESLIE SALT COMPANY, A CORPORATION, AND DESCRIBED AS #5 IN THE DEED RECORDED April 21, 1950, IN BOOK 6086 OF OFFICIAL RECORDS OF ALAMEDA COUNTY, PAGE 321, AS FOLLOWS:

COMMENCING AT A POINT DISTANT SOUTH 0° 01' EAST, 1320.75 FEET FROM THE NORTHEAST CORNER OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 36, TOWNSHIP 3 SOUTH, RANGE 3 WEST, MOUNT DIABLO BASE AND MERIDIAN; AND RUNNING THENCE SOUTH 14° 15' WEST, 90.42 FEET; THENCE NORTH 70° 30' EAST TO A LINE DRAWN SOUTH 0° 01' EAST FROM THE POINT OF BEGINNING; AND THENCE CONTINUING NORTH 0° 01' WEST ALONG SAID LAST MENTIONED LINE TO THE POINT OF BEGINNING; AND BEING A PORTION OF SECTION 36, TOWNSHIP 3 SOUTH, RANGE 3 WEST, M. D. B. & M.

ALSO EXCEPTING THEREFROM, THAT PORTION THEREOF CONVEYED TO HAYWARD AREA RECREATION AND PARK DISTRICT, BY DEED RECORDED July 28, 1995, SERIES NO. 95-166844, ALAMEDA COUNTY RECORDS.

APN: 461-0061-001

**PARCEL TWO:**

BEGINNING AT THE INTERSECTION OF THE SOUTHEASTERN LINE OF THE 5.65 ACRE TRACT OF LAND DESCRIBED IN THE DEED FROM EVA EDEN, ET AL, TO SAN FRANCISCO BAY TOLL-BRIDGE COMPANY, DATED MARCH 8, 1928, AND RECORDED MARCH 10, 1928, IN BOOK 1840 OF OFFICIAL RECORDS OF ALAMEDA COUNTY, PAGE 83, WITH THE WESTERN LINE OF THE 44.874 ACRE TRACT OF LAND CONVEYED BY MARY PETERMANN TO BEN EDEN AND EVA EDEN, BY DEED DATED November 12, 1895, AND RECORDED December 18, 1895, IN BOOK 587 OF DEEDS, AT PAGE 69, ALAMEDA COUNTY RECORDS; AND RUNNING THENCE ALONG SAID WESTERN LINE, THE SAME BEING THE EASTERN LINE OF A PRIVATE ROAD LEADING FROM THE UNION PACIFIC SALT WORKS TO THE EDEN, FORMERLY BARRON, LANDING ROAD, OR COUNTY ROAD NO. 2499, AS FOLLOWS:

SOUTH 17° 30' WEST, 311.70 FEET; THENCE SOUTH 13° 13' WEST, 132.90 FEET; THENCE SOUTH 51° 27' WEST, 340.10 FEET TO THE MOST WESTERN CORNER OF THE 7.95 ACRE TRACT OF LAND CONVEYED BY EVA EDEN, ET AL, TO ELSA A. OLIVER, BY DEED DATED December 20, 1914, AND RECORDED February 5, 1915, IN BOOK 2299 OF DEEDS, AT PAGE 437, ALAMEDA COUNTY RECORDS; THENCE ALONG THE NORTHERN LINE OF SAID 7.95 ACRE TRACT OF LAND, SOUTH 88° 13' EAST, 734.70 FEET; THENCE NORTH

3° 55' EAST, 836.10 FEET TO THE SOUTHEASTERN LINE OF SAID 5.65 ACRE TRACT; THENCE ALONG THE LAST NAMED LINE, SOUTH 66° 45' WEST, 436.95 FEET TO THE POINT OF BEGINNING.

EXCEPTING THEREFROM, THAT CERTAIN PARCEL DESIGNATED "PARCEL 14A", FOR FREEWAY PURPOSES, AS CONTAINED IN THAT CERTAIN "FINAL ORDER OF CONDEMNATION" IN CASE NO. 339047, ALAMEDA COUNTY SUPERIOR COURT; A CERTIFIED COPY THEREOF WAS RECORDED July 16, 1965, ON REEL 1553, IMAGE 51, SERIES NO. AX/98237, ALAMEDA COUNTY RECORDS.

AND ALSO EXCEPTING THEREFROM THAT PORTION DESCRIBED IN THE DEED TO EAST BAY REGIONAL PARK DISTRICT, A CALIFORNIA SPECIAL DISTRICT, RECORDED July 22, 2005, SERIES NO. 2005-312073, OFFICIAL RECORDS.

APN: 461-0085-019, 461-0085-020-02

PARCEL THREE:

COMMENCING AT A POINT LOCATED NORTH 0° 39' 40" WEST, 1253.05 FEET FROM THE SOUTHEAST CORNER OF SECTION 36, TOWNSHIP 3 SOUTH, RANGE 3 WEST, M. D. B. & M., AND RUNNING THENCE SOUTH 0° 39' 40" EAST, 9.11 FEET; THENCE SOUTH 63° 38' 15" EAST, 536.37 FEET; THENCE SOUTH 62° 02' 40" WEST, 1627.10 FEET; THENCE SOUTH 42° 15' 40" WEST, 328.24 FEET; THENCE WEST ALONG THE SOUTHERN LINE OF THE AFORESAID SECTION 36, 129.55 FEET; THENCE NORTH 0° 36' WEST, 691.42 FEET; THENCE NORTH 66° 51' 35" EAST, 1429.04 FEET TO THE POINT OF BEGINNING.

SAVING AND EXCEPTING THEREFROM, THAT PORTION THEREOF COMPRISING A STRIP OF LAND, 10 FEET WIDE, EXTENDING ALONG THE NORTHERLY SIDE OF SAID PROPERTY AND COMPRISING THE NORTHERLY 10 FEET THEREOF, TOGETHER WITH A STRIP OF LAND, 10 FEET WIDE, EXTENDING ALONG THE NORTHEASTERLY EDGE THEREOF AND COMPRISING THE NORTHEASTERLY 10 FEET THEREOF.

APN: 461-0090-001

PARCEL FOUR:

PORTION OF THE SOUTHWEST 1/4 OF SECTION 31, TOWNSHIP 3 SOUTH, RANGE 2 WEST, M.D.B. & M., DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT ON THE WESTERN LINE OF SAID SOUTHWEST 1/4 AT THE SOUTHEASTERN CORNER OF THE PARCEL OF LAND DESIGNATED AS "PARCEL 12" IN THE DECREE QUIETING TITLE IN THE ACTION BY ARDEN SALT COMPANY VS. SAN FRANCISCO BAY TOLL-BRIDGE COMPANY, ET AL., A CERTIFIED COPY OF SAID DECREE WAS RECORDED June 7, 1932, IN BOOK 2860 OF OFFICIAL RECORDS OF ALAMEDA COUNTY, PAGE 1, UNDER RECORDER'S SERIES NO. CC-28717; RUNNING THENCE ALONG THE WESTERN LINE OF SAID SOUTHWEST 1/4, NORTH 0° 02' WEST, 499.37 FEET TO THE SOUTHEASTERN LINE OF THE RIGHT OF WAY, 200 FEET WIDE, OF THE SAN FRANCISCO BAY TOLL-BRIDGE COMPANY; THENCE ALONG THE LAST NAMED LINE, NORTH 67° 11' EAST, 215.30 FEET TO THE NORTHERN LINE OF THE SOUTH 1/2 OF SAID SOUTHWEST 1/4; THENCE ALONG THE LAST NAMED LINE, SOUTH 89° 45' EAST, 600 FEET, MORE OR LESS, TO THE NORTHWESTERN LINE OF THE TRACT OF LAND DESCRIBED IN THE DEED BY ALDEN E. OLIVER TO ALDEN E. OLIVER AND ADOLPH A. OLIVER, JR., DATED MARCH 5, 1940, RECORDED MARCH 5, 1940, IN BOOK 3887 OF SAID OFFICIAL RECORDS, PAGE 228, UNDER RECORDER'S SERIES NO. MM-11746; THENCE ALONG THE LAST NAMED LINE SOUTHWESTERLY, TO THE MOST WESTERN CORNER OF SAID LAND DESCRIBED IN SAID DEED; THENCE SOUTHWESTERLY, IN A DIRECT LINE, 575 FEET, MORE OR LESS, TO THE POINT OF BEGINNING.

EXCEPTING THEREFROM THAT PORTION DESCRIBED AS PARCEL 1 IN THE AGREEMENT DATED April 13, 1950, EXECUTED BY AND BETWEEN LESLIE SALT CO., A CORPORATION AND ALDEN E. OLIVER, ET AL, RECORDED April 21, 1950, BOOK 6086, PAGE 321, SERIES NO. AE35033, OFFICIAL RECORDS.

AND ALSO EXCEPTING THEREFROM THAT PORTION DESCRIBED IN AND THE TITLE TO WHICH WAS QUIETED IN FRANK MARSICANO AND ALFRED MARSICANO AS EXECUTORS OF THE LAST WILL AND TESTAMENT OF MARY MARSICANO, DECEASED, IN THE DECREE QUIETING TITLE ENTERED February 28, 1955, IN THE SUPERIOR COURT OF THE STATE OF CALIFORNIA IN AND FOR THE COUNTY OF ALAMEDA,

EXHIBIT "A" (continued)

Title No. 14-59053686-A-KD  
Locate No. CACTI7701-7707-2386-0059053686

CASE NO. 252494, A CERTIFIED COPY OF WHICH RECORDED MARCH 14, 1955, IN BOOK 7597, PAGE 433, SERIES NO. AK27745, OFFICIAL RECORDS.

APN'S: 461-0090-005 AND 461-0090-006 (PORTION)

PARCEL FIVE:

PORTION OF SECTION 31, TOWNSHIP, 3 SOUTH, RANGE 2 WEST, MOUNT DIABLO BASE AND MERIDIAN, DESCRIBED AS FOLLOWS:

BEGINNING AT THE INTERSECTION OF THE SOUTHEASTERN LINE OF THE RIGHT OF WAY, 200 FEET WIDE, OF THE SAN FRANCISCO BAY TOLL-BRIDGE COMPANY WITH THE WESTERN LINE OF SAID SECTION 31; AND RUNNING THENCE ALONG SAID SOUTHEASTERN LINE OF SAID RIGHT OF WAY NORTH 67° 11' EAST 966.72 FEET; THENCE SOUTH 17° 59' WEST 411.84 FEET; THENCE SOUTH 52° 19' WEST 355.68 FEET; AND THENCE NORTH 63° 13' WEST 537.56 FEET TO THE POINT OF BEGINNING.

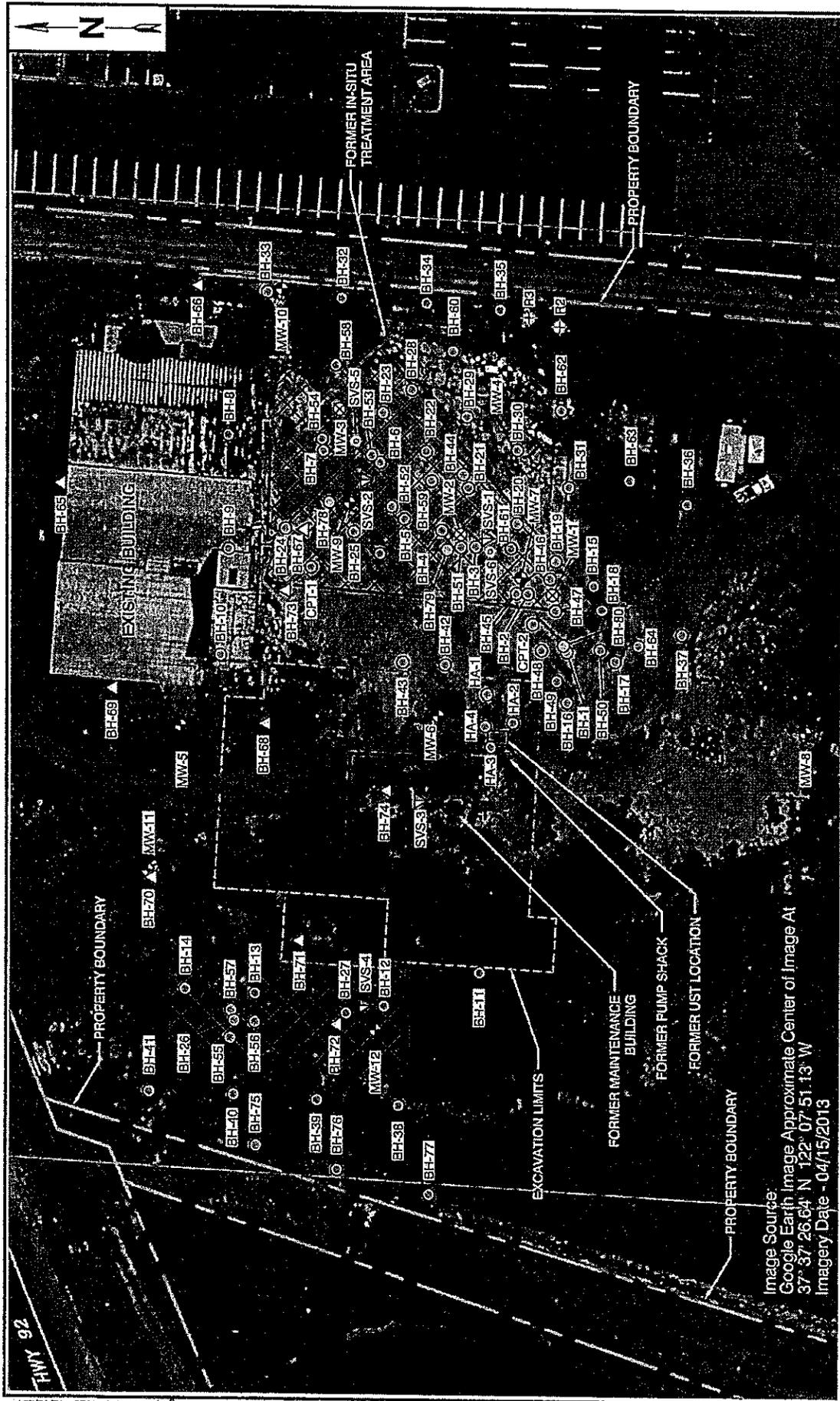
EXCEPTING THEREFROM THAT PORTION LYING WITHIN THE LINES OF PARCEL 1, HEREINABOVE DESCRIBED.

AND ALSO EXCEPTING THEREFROM THAT PORTION DESCRIBED IN AND THE TITLE TO WHICH WAS QUIETED IN FRANK MARSICANO AND ALFRED MARSICANO AS EXECUTORS OF THE LAST WILL AND TESTAMENT OF MARY MARSICANO, DECEASED, IN THE DECREE QUIETING TITLE ENTERED February 28, 1955, IN THE SUPERIOR COURT OF THE STATE OF CALIFORNIA IN AND FOR THE COUNTY OF ALAMEDA, CASE NO. 252494, A CERTIFIED COPY OF WHICH RECORDED MARCH 14, 1955, IN BOOK 7597, PAGE 433, SERIES NO. AK27745, OFFICIAL RECORDS.

APN: 461-0090-006 (REMAINDER)

Exhibit B

Figure 1 showing Burdened Property and Area of Restriction  
Figure 2 showing Benzene Isoconcentration Contour (1 µg/l)



55 Oak Court, Suite 220  
 Danville, CA 94526

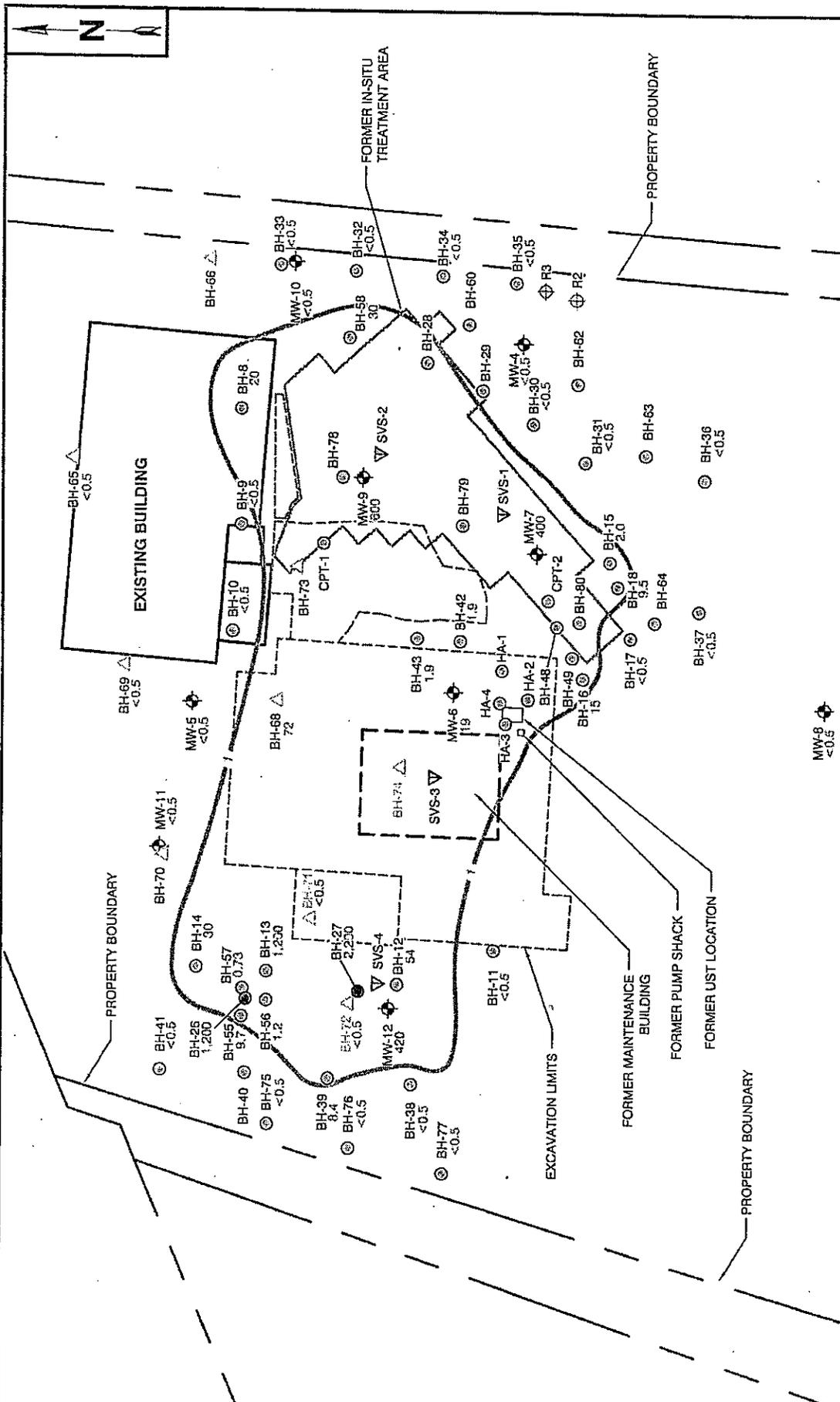
0 60 120 FEET  
 APPROXIMATE SCALE

EXPLANATION BLOCK	
BH-80 ○	BORING LOCATIONS SOIL ONLY
MW-12 ◊	EXISTING MONITORING WELL
MW-3 ⊗	DESTROYED MONITORING WELL (DURING LANG TOOL TREATMENT)
BH-42 ⊙	SOIL BORING
BH-74 ▲	DEEPER SOIL BORING
SWS-6 ⊕	SOIL VAPOR LOCATION

R3 ⊕	FORMER WATER SUPPLY WELL
SWS-4 ▽	SOIL VAPOR SURVEY LOCATION
	OVEREXCAVATION LOCATION
	FORMER IN-SITU TREATMENT AREA
	RESTRICTED AREA

RESTRICTED AREAS	
FORMER OLIVER SALT PLANT 4150 POINT EDEN WAY HAYWARD, CALIFORNIA	
FE/PS	JWJ
Project Number	OOSW
Project Manager	CM
Date	12/18/2014
Figure	1

Regional Water Quality Control Board, 1515 Clay Street, Suite 1400, Oakland, CA 94612  
 Clear information is contained in the Risk Management Plan dated 11-30-2014, at  
 the address above.



**55 Oak Court, Suite 220  
Danville, CA 94526**

0 60 120 FEET  
APPROXIMATE SCALE

**EXPLANATION BLOCK**

- TPH-G CONCENTRATIONS OVER 1 PPB
- BH-74 ▲ DEEPER SOIL BORING
- MW-12 ◆ EXISTING MONITORING WELL
- MW-3 ☒ DESTROYED MONITORING WELL (DURING LANG TOOL TREATMENT)
- BH-42 ⊙ SOIL BORING

BH-27 ● PREVIOUS SOIL BORING - CONCENTRATION SUBSEQUENTLY SHOWN TO BE LOWER BASED ON MORE RECENT DATA

R3 ◆ FORMER WATER SUPPLY WELL

SVS-4 ▽ SOIL VAPOR SURVEY LOCATION

○ OVEREXCAVATION LOCATION

**Note:**  
Data for borings in the remediation area collected prior to remediation; not included on this map.

<b>EXTENT OF BENZENE EXCEEDING 1 PPB IN SHALLOW GROUNDWATER</b>	
FORMER OLIVER SALT PLANT 4150 POINT EDEN WAY HAYWARD, CALIFORNIA	
Project Manager	JWJ
Project Number	OOSW
Dealer	CM
Date	12/18/2014
Figure	<b>2</b>

Exhibit C

Risk Management Plan Environmental Conditions, former Old Oliver Salt Plan;  
4150 Point Eden Way, Hayward, California dated October 2014



EDMUND G. BROWN JR.  
GOVERNOR



MATTHEW RODRIGUEZ  
SECRETARY FOR  
ENVIRONMENTAL PROTECTION

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San Francisco Bay Regional Water Quality Control Board

December 5, 2014  
File No. 01-2465 (ccm)

Mr. Morey Greenstein, Trustee ([Mgreenstein@groco.com](mailto:Mgreenstein@groco.com))  
Oliver Salt Pond Trust  
39111 Paseo Padre Parkway, Suite 317  
Fremont, CA 94538

SUBJECT: Approval of Risk Management Plan for the Former Oliver Salt Facility, 4150  
Point Eden Way, Hayward, Alameda County

Dear Mr. Greenstein:

This letter responds to your November 30, 2014 *Risk Management Plan* for the former Oliver Salt facility located at 4150 Point Eden Way in Hayward (site). The plan was prepared by Aqua Science Engineers, Inc., (ASE) on your behalf. As discussed below, I approve the risk management plan and require a recorded deed restriction.

The plan was submitted to the Regional Water Board staff to address residual pollutants at the site in preparation of case closure. A deed restriction which references this plan has also been prepared for the site. Staff will coordinate with you to schedule an acceptable date and time to have the deed restriction signed by me and notarized. Thereafter, the deed restriction will be returned to you for signature and recording with the Alameda County Assessor's Office.

The risk management plan is hereby approved. You are required to submit a copy of the recorded deed restriction that includes this plan by reference, within 30 days of receipt of the signed document.

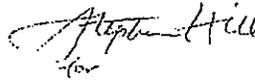
This requirement for a report is made pursuant to Water Code Section 13267, which allows the Regional Water Board to require technical or monitoring program reports from any person who has discharged, discharges, proposes to discharge, or is suspected of discharging waste that could affect water quality. The attachment provides additional information about Section 13267 requirements. Any extension in the above deadline must be confirmed in writing by Regional Water Board staff.

Oliver Salt Pond Trust

- 2 -

If you have any questions, please contact Cherie McCaulou of my staff at (510) 622-2342 or via e-mail [[cmccaulou@waterboards.ca.gov](mailto:cmccaulou@waterboards.ca.gov)].

Sincerely,



Digitally signed by Stephen Hill  
Date: 2014.12.05 11:44:58  
-08'00'

Bruce H. Wolfe  
Executive Officer

Attachment: Water Code Section 13276 Fact Sheet

cc w/attach:

Alameda County Water District, Attn: Steven Inn ([Steven.Inn@acwd.com](mailto:Steven.Inn@acwd.com))  
Hayward Fire Department, Attn: Hugh Murphy ([Hugh.Murphy@hayward-ca.gov](mailto:Hugh.Murphy@hayward-ca.gov))  
Robert Kitay, Aqua Science Engineers, Inc., Attn: ([Rkitay@aquascienceengineers.com](mailto:Rkitay@aquascienceengineers.com))  
Jon Wactor, Wactor and Wick, ([JonWactor@ww-envlaw.com](mailto:JonWactor@ww-envlaw.com))



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San Francisco Bay Regional Water Quality Control Board

**Fact Sheet – Requirements for Submitting Technical Reports  
Under Section 13267 of the California Water Code**

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**What does it mean when the Regional Water Board requires a technical report?**

Section 13267<sup>1</sup> of the California Water Code provides that "...the regional board may require that any person who has discharged, discharges, or who is suspected of having discharged or discharging, or who proposes to discharge waste...that could affect the quality of waters...shall furnish, under penalty of perjury, technical or monitoring program reports which the regional board requires."

**This requirement for a technical report seems to mean that I am guilty of something, or at least responsible for cleaning something up. What if that is not so?**

The requirement for a technical report is a tool the Regional Water Board uses to investigate water quality issues or problems. The information provided can be used by the Regional Water Board to clarify whether a given party has responsibility.

**Are there limits to what the Regional Water Board can ask for?**

Yes. The information required must relate to an actual or suspected or proposed discharge of waste (including discharges of waste where the initial discharge occurred many years ago), and the burden of compliance must bear a reasonable relationship to the need for the report and the benefits obtained. The Regional Water Board is required to explain the reasons for its requirement.

**What if I can provide the information, but not by the date specified?**

A time extension may be given for good cause. Your request should be promptly submitted in writing, giving reasons.

**Are there penalties if I don't comply?**

Depending on the situation, the Regional Water Board can impose a fine of up to \$5,000 per day, and a court can impose fines of up to \$25,000 per day as well as criminal penalties. A person who submits false information or fails to comply with a requirement to submit a technical report may be found guilty of a misdemeanor. For some reports, submission of false information may be a felony.

**Do I have to use a consultant or attorney to comply?**

There is no legal requirement for this, but as a practical matter, in most cases the specialized nature of the information required makes use of a consultant and/or attorney advisable.

**What if I disagree with the 13267 requirements and the Regional Water Board staff will not change the requirement and/or date to comply?**

You may ask that the Regional Water Board reconsider the requirement, and/or submit a petition to the State Water Resources Control Board. See California Water Code sections 13320 and 13321 for details. A request for reconsideration to the Regional Water Board does not affect the 30-day deadline within which to file a petition to the State Water Resources Control Board.

**If I have more questions, whom do I ask?**

Requirements for technical reports include the name, telephone number, and email address of the Regional Water Board staff contact.

*Revised March 2014*

<sup>1</sup> All code sections referenced herein can be found by going to <http://leginfo.ca.gov/faces/codes.xhtml>.



Aqua Science Engineers, Inc. 55 Oak Court, Suite 220, Danville, CA 94526  
(925) 820-9391 - Fax (925) 837-4853 - [www.aquascienceengineers.com](http://www.aquascienceengineers.com)

November 30, 2014

RISK MANAGEMENT PLAN  
for  
The Former Oliver Salt Facility  
4150 Pont Eden Way  
Hayward, California

Submitted by:  
AQUA SCIENCE ENGINEERS, INC.  
55 Oak Court, Suite 220  
Danville, CA 94526  
(925) 820-9391

---

**San Francisco Bay Regional Water Quality Control Board**

February 27, 2015  
File No. 01-2465 (ccm)

Mr. Morey Greenstein, Trustee  
Oliver Salt Pond Trust  
39111 Paseo Padre Parkway, Suite 317  
Fremont, CA 94538  
[Mgreenstein@groco.com](mailto:Mgreenstein@groco.com)

SUBJECT: Closure Letter for the Former Oliver Salt Facility, 4150 Point Eden Way,  
Hayward, Alameda County

Dear Mr. Greenstein:

This letter confirms the completion of a site investigation and corrective action for the underground storage tank(s) formerly located at the above-described 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 information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground storage tank(s) site is in compliance with the requirements of subdivisions (a) and (b) of Section 25296.10 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.3 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

This notice is issued pursuant to subdivision (g) of Section 25296.10 of the Health and Safety Code.

Please be aware that claims for reimbursement of corrective action costs submitted to the Underground Storage Tank Cleanup Fund more than 365 days after the date of this letter or issuance or activation of the Fund's Letter of Commitment, whichever occurs later, will not be reimbursed unless one of the following exceptions applies:

- Claims are submitted pursuant to Section 25299.57, subdivision (k) (reopened UST case); or
- Submission within the timeframe was beyond the claimant's reasonable control, ongoing work is required for closure that will result in the submission of claims beyond that time period, or that under the circumstances of the case, it would be unreasonable or inequitable to impose the 365-day time period.

Please contact our offices if you have any questions regarding this matter.

Sincerely,

Bruce H. Wolfe  
Executive Officer

cc: Alameda County Water District, Attn: Mr. Steven Inn ([Steven.Inn@acwd.com](mailto:Steven.Inn@acwd.com))  
Hayward Fire Department, Attn: Mr. Hugh Murphy ([Hugh.Murphy@hayward-ca.gov](mailto:Hugh.Murphy@hayward-ca.gov))  
Aqua Science Engineers, Inc., Attn: Mr. Robert Kitay ([Rkitay@aquascienceengineers.com](mailto:Rkitay@aquascienceengineers.com))  
Jon Wactor, Wactor and Wick, Attn: Mr. Jon Wactor ([JonWactor@ww-envlaw.com](mailto:JonWactor@ww-envlaw.com))