



**Appendix G**  
**Phase I Environmental Site**  
**Assessment**

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*Prepared for*

**San Diego Gas & Electric**  
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# **Phase I Environmental Site Assessment**

**Proposed Ocean Ranch Substation Property**  
**Oceanside, California**  
**San Diego County Assessor's Parcel Nos.**  
**161-512-2600 and 161-512-2700**

*Prepared by*

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Geosyntec Project Number – SC0774

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## **EXECUTIVE SUMMARY**

This Executive Summary presents the results of the Phase I Environmental Site Assessment (ESA) performed by Geosyntec Consultants (Geosyntec) for the proposed Ocean Ranch Substation property, located north of the intersection of Avenida del Oro and Avenida del Plata, and south of the southern terminus of Rocky Point Drive in Oceanside, California (Figure 1; the Site). The Site includes two contiguous parcels of land comprising approximately 9.66 acres identified by the San Diego County Assessors' Office as parcel numbers 161-512-2600 and 161-512-2700 (Figure 2). This Phase I ESA was prepared in accordance with the scope of work, terms and conditions described in Geosyntec's proposal dated 30 July 2015. Geosyntec understands this Phase I ESA was requested to help identify potential environmental liabilities associated with the Site.

The objective of performing this Phase I ESA in accordance with ASTM Standard E 1527-13 was to identify, to the extent feasible, "Recognized Environmental Conditions" (RECs) at the Site as the term "REC" is defined by ASTM E 1527-13. This REC definition eliminates from consideration several conditions that could fall under the general definition of "environmental issues" and focuses on known or potential releases of hazardous substances and petroleum products.

## **FINDINGS**

The Site is located in an area used for light industrial/commercial land uses, and is currently graded, vacant land situated on a relatively flat terrace. The Site and vicinity were historically used for dry-land farming since prior to 1939 until approximately 1989. The northwest portion of the Site was later cultivated with row crops between 1994 and 2005. The Site was graded similar to its current configuration in 2007 in preparation for development, and two stormwater retention basins were constructed in the southern portion of the Site. Between 2009 and 2012 the Site and vicinity appeared similar to its current configuration, excluding the northwest portion of the property. In 2013 and 2014, the northwest portion of the Site was utilized as a construction yard, including a fueling area and staging of equipment, trucks, and bulk building materials. By late 2014 the Site and vicinity appeared similar to its current configuration. The Site is currently graded, vacant land situated on a relatively flat terrace topographically elevated above the adjoining street to the west of the Site (Figure 2).

The Phase I ESA performed by Geosyntec revealed no evidence of recognized environmental conditions in connection with the property.

*De minimis* conditions are environmental conditions which generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of the appropriate governmental agencies. Conditions determined to be *de minimis* are not RECs. *De minimis* conditions observed at the Site included the following:

- The Site was utilized for agricultural operations which are commonly associated with pesticide use, and equipment storage, maintenance, and fueling; however, no records indicative of environmental issues related to former agricultural operations were identified. Furthermore, the Site has since been re-graded, including significant cut and fill earthwork.
- Minor amounts of trash were observed throughout the Site, including seven tires in the northeast and central portion of the western parcel. Two soil stockpiles of unknown origin were observed on the western parcel, including a concrete and clay-brick debris stockpile, and a stockpile containing wood, carpet, and pavement debris.
- The Site was used as a construction staging yard in 2013 and 2014, including staging of equipment, vehicles, bulk building materials, and a fueling area. The fueling area appeared to include secondary containment, and evidence of significant spillage from the fueling area or from staged equipment/vehicles was not observed.

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## 1 INTRODUCTION

This report documents the results of the Phase I Environmental Site Assessment (ESA) performed by Geosyntec Consultants (Geosyntec) for the proposed Ocean Ranch Substation property located north of the intersection of Avenida del Oro and Avenida del Plata, and south of the southern terminus of Rocky Point Drive in Oceanside, California (Figure 1; the Site). The Site includes two adjoining parcels of land comprising approximately 9.66 acres identified by the San Diego County Assessors' Office as parcel numbers 161-512-2600 and 161-512-2700 (Figure 2). This Phase I ESA was prepared in accordance with the scope of work, terms and conditions described in Geosyntec's proposal dated 30 July 2015. This report incorporates, by reference, the ASTM International (ASTM) Standard E 1527-13, "Standard Practice for Environmental Assessments: Phase I Environmental Site Assessment Process." Exceptions and limitations are provided in Section 1.5 of this report. Geosyntec performed the Phase I ESA for the sole use of its client, San Diego Gas & Electric (SDG&E), as described in Section 1.6 of this report.

### 1.1 Purpose

The purpose of this Phase I ESA was to identify, to the extent feasible, "Recognized Environmental Conditions" (RECs) at the Site as the term "REC" is defined by ASTM E 1527-13. This REC definition eliminates from consideration several conditions that could fall under the general definition of "environmental issues" and focuses on known or potential releases of hazardous substances and petroleum products. Geosyntec understands this Phase I ESA was prepared to help identify potential environmental liabilities associated with the Site.

### 1.2 Site Description

The Site is located in an area used for light industrial/commercial land uses, and is accessed from the northern portion of the Site by the southern terminus of Rocky Point Drive. The Site is graded, vacant land situated on a relatively flat terrace topographically elevated above Avenida Del Oro, adjoining west of the Site.

#### 1.2.1 Site Characteristics

The graded, undeveloped Site includes two stormwater retention basins and storm drains in the southern portion of the Site (Figure 2). Since grading activities occurred, vegetation has re-grown onsite and erosion has occurred on the slopes of the two retention basins. Minor amounts of surficial solid waste debris is scattered across the Site, including pavement/clay-brick/wood debris, tires, and two soil stockpiles. Reclaimed water irrigation plumbing is located along the outer portions of the Site, with a sprinkler network extending across the central portion of the Site and along the perimeter.

#### 1.2.2 Surrounding Land Uses

A summary of pertinent nearby land uses is provided below and depicted on Figure 2:



- **North:** Adjoining north of the Site is the Pacific Coast Business Park, including two commercial light industrial structures divided by a cul-de-sac;
- **Southeast:** Adjoining southeast of the Site are five light industrial and commercial buildings with numerous tenants, including an auto shop and machine shop.
- **West:** West of the Site across Avenida del Oro is a United States Postal Service distribution facility and vacant land.

### **1.3 Geologic and Hydrogeologic Summary**

The Site is located along the coastal region of the western zone of the Peninsular Ranges geomorphic province in San Diego County. Existing Site topography has been graded to be relatively flat and slopes gently toward a network of concrete lined ditches, retention ponds, and storm drains, with an average ground surface elevation of approximately 370 feet above Mean Sea Level (MSL) [GoogleEarthPro, 2015]. However, the western Site boundary includes a relatively steep slope extending from the graded terrace down approximately 20 feet to Avenida del Oro. Based on a review of the Oceanside Quadrangle geologic map, the Site is underlain by the Eocene Santiago Formation, composed of interbedded sandstone, siltstone, and claystone. The sandstone is typically characterized as light colored, moderately well-sorted, and coarse- to medium-grained [Kennedy and Tan, 2007]. Furthermore, the easternmost expression of the Quaternary, north-south trending Newport-Inglewood-Rose Canyon Fault Zone is approximately 6.8 miles southwest of the Site [Kennedy and Tan, 2005].

The Site lies within the Loma Alta Hydrologic Area (904.10) of the Carlsbad Hydrologic Unit [RWQCB, 2011]. Based on the summarized results of a 2005 geotechnical investigation performed for the Site and surrounding property, native-derived fill soils up to 60 feet thick have been encountered at the Site, and the groundwater elevation in the vicinity of the Site is estimated to be greater than 30 feet below the ground surface (bgs) and less than 280 feet above MSL [URS, 2006]. In April 2012, a geotechnical boring investigation consisting of four onsite borings drilled to depths ranging from 70 to 80 feet bgs did not encounter groundwater [Kleinfelder, 2012]. Based on a quarterly groundwater monitoring report for 76 Station 7288 located at 4181 Oceanside Boulevard (approximately 0.5 miles southeast of the Site), perched groundwater was encountered at approximately 230 ft MSL and flows to the southwest with a hydraulic gradient of approximately 0.02 ft/ft [TRC, 2006].

### **1.4 Scope of Services**

Geosyntec was authorized on 4 August 2015 by Ms. Barbara Montgomery of SDG&E to complete a Phase I ESA for the Site. The scope of services included the following:

- Searching standard local, state, and federal environmental record sources within recommended ASTM search distances;

- Reviewing available physiographic information including topographic, geologic, and hydrogeologic information;
- Reviewing historical aerial photographs;
- Reviewing historical fire insurance maps;
- Performing a Site reconnaissance;
- Conducting an interview with the Site manager and owner; and
- Documenting the procedures, findings, opinions, and conclusions of the Phase I ESA in this report.

This work was completed in accordance with ASTM Practice E 1527-13 with the limitations and exceptions described in Section 1.5 of this report. For the purposes of this Phase I ESA report, SDG&E represents the “user,” defined as “the party seeking to use Practice E 1527-13 to complete an *environmental site assessment* of the *property*...”

This ESA report was prepared by Mr. Steven Phillips, GIT and reviewed by Mr. Douglas Baumwirt, PG (“environmental professional,” as defined by ASTM Practice E 1527-13) of Geosyntec, in accordance with the peer review policy of the firm. Mr. Baumwirt’s professional qualifications are presented in Appendix A.

### **1.5 Limitations and Exceptions**

This Phase I ESA was performed according to the agreed upon scope of work with SDG&E. This Phase I ESA is intended to reduce, but not eliminate, uncertainty regarding the potential for recognized environmental conditions in connection with the Site, and recognizes reasonable limits of time and cost. Not every property warrants the same level of assessment. Consistent with good commercial or customary practice, the appropriate level of assessment was guided by the type of property subject to assessment and the information developed in the course of the inquiry. A balance between the competing goals of limiting cost and time demands and the reduction of uncertainty about unknown conditions resulting from additional information was identified during the Phase I ESA.

Additional services considered optional by ASTM E 1527-13, such as asbestos-containing building materials, radon, lead-based paint, lead in drinking water, wetlands, regulatory compliance, cultural and historic resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, biological agents, mold, and high voltage power lines, were not included in the scope of work.

The findings and conclusions presented in this Phase I ESA are the result of professional interpretation of the information collected at the time of this study. This Phase I ESA was not an exhaustive search of all available records, nor does it include detailed assessment of all Phase I

ESA findings. Geosyntec cannot “certify” or guarantee that any property is free of environmental impairment; no warranties regarding the environmental quality of the property are expressed or implied.

This Phase I ESA did not include the sampling of rock, soil, groundwater, surface water, soil vapor, air, or onsite substances or materials. Therefore, it is not possible to confirm the presence or absence of hazardous substances or petroleum products in the environments associated with the property.

The findings of this report, to the best of our knowledge, are valid as of the date of this work. However, changes in the conditions of a property can occur with the passage of time, whether due to natural processes or the works of man on this or adjacent properties. In addition, changes in applicable or appropriate regulations and standards may occur, whether they result from legislation, from the broadening of knowledge, or from other reasons. Accordingly, the findings of this report may be invalidated wholly or partially by changes outside our control.

Specified information contained in this report has been obtained from publicly available sources and other secondary sources of information. Although care has been taken in compiling this information, Geosyntec disclaims any and all liability for any errors, omissions, or inaccuracies of the third parties in such information and data.

The work was performed using the degree of care and skill ordinarily exercised under similar circumstances by environmental consultants practicing in this or similar localities. No other warranty or guarantee, expressed or implied, is made as to the findings, opinions, conclusions, and recommendations included in this report.

## **1.6 User Reliance**

This Phase I ESA report has been prepared solely for the benefit of SDG&E. Geosyntec has issued the Phase I ESA report to its client and grants SDG&E the right to rely on the report contents. Except as specifically set forth in Geosyntec’s proposal to SDG&E to perform this work, no third party shall have the right to rely on Geosyntec’s opinions rendered in connection with the Services without SDG&E’s approval and Geosyntec’s written consent which may be conditioned on the third party’s agreement to be bound to acceptable conditions and limitations similar to this Agreement.

## 2 USER PROVIDED INFORMATION

In accordance with ASTM E 1527-13, Geosyntec requested that the user of the Phase I ESA provide information that would assist in identifying the possibility of RECs in connection with the subject property, including but not limited to:

- Reviewing title and judicial records for environmental liens or activity and use limitations recorded against the subject property;
- Communicating specialized knowledge or experience that is material to RECs in connection with the subject property;
- Providing information about previous ownership or uses of the property;
- Providing information on a significantly lower purchase price, if applicable; and
- Designating personnel who are the most knowledgeable for the Site that will be interviewed by Geosyntec personnel.

Pertinent Site documents, including those provided by the user, are provided in Appendix B.

### 2.1 **Title Records**

The user did not provide title records for the Site.

### 2.2 **Environmental Liens**

The user did not report any environmental liens against the property.

### 2.3 **Specialized Knowledge**

The User provided copies of two previous Phase I ESAs for the Site dated 7 February 2006 and 21 December 2012, prepared by URS Corporation Americas (URS) and Geosyntec, respectively. Summaries of the previous Phase I ESAs are provided in Section 3.7 of this report.

### 2.4 **Commonly Known or Reasonably Ascertainable Information**

The user did not provide commonly known or reasonably ascertainable information pertaining to RECs in connection with the property.

### 2.5 **Valuation Reduction for Environmental Issues**

The user did not report any property valuation information for the Site.

### 2.6 **Owner, Property Manager, and Occupant Information**

The user provided contact information for Mr. Jim Seifert, the Manager of Corporate Real Estate and Planning for SDG&E and a representative of the Site. A summary of Geosyntec's interview with Mr. Seifert is provided in Section 4 of this report.

**2.7 Reason for Performing Phase I ESA**

Geosyntec understands that SDG&E has requested this Phase I ESA as part of a potential property redevelopment.

### 3 RECORDS REVIEW

#### 3.1 General

The following sections present the results of the environmental database search, review of reasonably ascertainable historical aerial photographs, topographic maps, fire insurance maps, and historical city business directories.

#### 3.2 Database Search Report

A database search report was obtained from Environmental Data Resources, Inc. (EDR) (Appendix C). The report documents findings of various federal, state, and local regulatory database searches regarding properties with known or suspected releases of hazardous materials or petroleum hydrocarbons. The searches were performed according to ASTM standards for Phase I ESA database searches. A list and description of the databases searched are included within the EDR report.

##### 3.2.1 Site

The Site was not identified in databases searched by EDR.

##### 3.2.2 Adjoining Properties

Several adjoining properties were identified in the databases searched by EDR. Summaries of notable listings are provided below:

- Bay Cal Commercial Painting located at 4100 Avenida de la Plata, approximately 25 feet south of the Site, is listed in the RCRA-SQG database. The facility is a small quantity generator (which generates more than 100 and less than 1,000 kilograms of hazardous waste during any calendar month). The waste is characterized as ignitable waste. No violations have been issued. Based on the hydraulically down-gradient direction from the Site, this property has limited potential to adversely affect the Site.
- Landmark Manufacturing, Inc. located at 4112 Avenida de la Plata, approximately 25 feet southeast of the Site, is listed in the RCRA-SQG and FINDS databases. The facility is a small quantity generator. No violations have been issued. Based on the hydraulically down-gradient direction from the Site, this property has limited potential to adversely affect the Site.
- Radax West, Inc. located at 4128 Avenida de la Plata, approximately 25 feet southeast of the Site, is listed in the RCRA-SQG, FINDS, and HAZNET databases. The facility is a small quantity generator. In 1996 and 1997, 3.5 and 4 tons of organic solids waste was disposed from the facility. No violations have been issued. Based on the hydraulically down-gradient direction from the Site, this property has limited potential to adversely affect the Site.

### 3.2.3 Properties within ½-Mile of the Site

Several properties were identified in environmental records databases within ½-mile of the Site. Databases included the following: San Diego Co. HMMD (5 properties), San Diego Co. SAM (4 properties), HAZNET (4 properties), LUST ( 3 properties), FINDS (3 properties), SLIC (3 properties), RCRA-SQG (2 properties), RCRA-LQG (1 property), RCRA-TSDF (1 property), ENVIROSTOR (1 property), CERC-NFRAP (1 property), CORRACTS (1 property), EMI (1 property), HIST-CORTESE (1 property), and SWEEPS UST (1 property). A summary of notable database listings is presented below:

- Gilead Sciences, Inc. located at 4049 Avenida de la Plata, approximately 500 feet southwest of the Site, is listed in the RCRA-LQG, FINDS, and HAZNET databases. The facility is a large quantity generator (which generates more than 1,000 kilograms of hazardous waste during any calendar month). The waste from the facility includes ignitables, corrosives, chromium, selenium, chloroform, and spent nonhalogenated solvents. The nonhalogenated solvents consist of xylene, acetone, ethyl acetate, ethyl benzene, ethyl ether, methyl isobutyl ketone, n-butyl alcohol, cyclohexanone, and methanol. No violations have been issued. Based on the distance and hydraulically downgradient direction from the Site, this property has limited potential to adversely affect the Site.
- The National Metal Technologies facility located at 4040 Calle Platino, approximately 950 feet southwest of the Site, is listed in the San Diego County SAM, San Diego County HMMD, ENVIROSTOR, SLIC, RCRA-SQG, FINDS, and HAZNET databases. The facility is a small quantity generator of hazardous waste, including ignitable and corrosive wastes. Although the facility is listed in both the ENVIROSTOR and San Diego County SAM databases, the cases have both been closed and granted no further action. Based on the distance and hydraulically down-gradient direction from the Site, this property has limited potential to adversely affect the Site.
- The Sumitomo Metal Mining USA, Inc. facility located at 4055 Calle Platino, approximately 1,200 feet southeast of the Site, is listed in the RCRA-TSDF, CERC-NFRAP, CORRACTS, RCRA-SQG, FINDS, and HAZNET databases. The facility is a large quantity generator of hazardous waste, including ignitables, corrosives, tetrachloroethylene, and spent nonhalogenated solvents. The nonhalogenated solvents include xylene, acetone, ethyl acetate, ethyl benzene, ethyl ether, methyl isobutyl ketone, n-butyl alcohol, cyclohexanone, and methanol. According to the CORRACTS database, the facility or area was assigned a low corrective action priority. Based on the distance and hydraulically downgradient direction from the Site, this property has limited potential to adversely affect the Site.
- The TMI facility located at 4079 Calle Platino, approximately 1,500 feet southeast of the Site, is listed in the San Diego County SAM, San Diego County HMMD, SLIC, and EMI databases. The facility is a handler of hazardous material, and petroleum products, including sulfuric acid and diesel fuel. According to SLIC database, the primary potential contaminant of concern for the property is gasoline. However, the SLIC case was completed and closed as of October 1996, and the San Diego County SAM case was closed

in October 1995. Based on the distance and hydraulically downgradient direction from the Site, this property has limited potential to adversely affect the Site.

- The Greenfield Fence, Inc. facility located at 4051 Oceanside Boulevard, approximately 1,850 feet south of the Site, is listed in the San Diego County SAM, San Diego County HMMD, HIST CORTESE, HAZNET, and LUST databases. The facility is listed in the HMMD database with an open permit for the Site as a facility that handles regulated hazardous materials, generates hazardous waste, or treats hazardous waste. Active permits for hazardous wastes include oils, lacquer thinner, antifreeze, argon, gasoline, paints, and sludges. Listed violations of active permits from 2006 to 2012 include numerous administrative compliance violations. A release from a LUST was reported in October 1994; however, the case was granted closure with no further action in November 1997. Based on the distance and hydraulically downgradient direction from the Site and the administrative nature of the violations, this property has limited potential to adversely affect the Site.
- The San Diego Auto Auction facility located at 4051 Oceanside Boulevard, approximately 1,850 feet south of the Site, is listed in the San Diego County HMMD, SWEEPS UST, and LUST databases. The facility has active permits for several USTs with capacities of 550, 550, and 4,000 gallons. According to the HMMD database, however, the three aforementioned USTs were removed by November 2012. Based on the distance and hydraulically downgradient direction from the Site, this property has limited potential to adversely affect the Site.
- The UNOCAL 76 #31292 facility located at 4181 Oceanside Boulevard, approximately 2,400 feet south of the Site, is listed in the San Diego County SAM, San Diego County HMMD, SLIC, and LUST databases. The facility is listed in the HMMD database with an open permit for the Site as a facility that handles regulated hazardous materials, generates hazardous waste, or treats hazardous waste. Active permits for hazardous wastes include pharmaceutical, infectious, and aqueous solution. Listed violations of active permits in 2011 include administrative and compliance violations, such as inadequate communication of Emergency Response Plan and improper labelling of hazardous materials and wastes. A LUST case at the facility was closed in 2007. Furthermore, a LUST case was discovered in 2009 during a site investigation. Soil excavation was conducted during removal of four USTS and redevelopment of the property. Groundwater is impacted with VOCs. However, the case was granted closure in February 2012. Based on the distance and hydraulically downgradient direction from the Site, this property has limited potential to adversely affect the Site.

### **3.2.4 Properties within One Mile of the Site**

No properties of significance within one mile of the Site were identified by EDR in the Federal NPL site list, Federal RCRA CORRACTS facilities list, Department of Defense facilities list, or the State or tribal-equivalent NPL lists.



### 3.2.5 Summary of Database Review

The database search identified several properties in environmental records databases within the ASTM recommended search radii; however, based on the nature of the listings and distance and direction from the Site, the listed facilities are not considered RECs for the Site.

### 3.3 Historical Aerial Photographs and Topographic Maps

Historical aerial photographs (aerials) from 1939, 1946, 1953, 1964, 1970, 1979, 1985, 1989, 1994, 2005, 2009, 2010, and 2012 and USGS topographic maps (topos) for years 1893, 1901, 1904, 1947, 1949, 1968, 1975, and 1997 were received from EDR and are provided in Appendices D and E, respectively. Geosyntec also reviewed aerials dated 1938, 1946, 1953, 1964, 1967, 1980, 1989, 1994, 1997, 2002, 2003, 2005, 2009, 2010, and 2012 and topos dated 1893, 1897, 1901, 1906, 1907, 1911, 1920, 1921, 1925, 1929, 1931, 1933, 1939, 1941, 1946, 1947, 1949, 1955, 1961, 1966, 1969, 1971, 1978, and 2000 online with [www.HistoricAerials.com](http://www.HistoricAerials.com); and aerials dated 1994, 2002, 2003, 2004, 2005, 2006, 2008, 2009, 2010, 2012, 2013, 2014, and 2015 on GoogleEarthPro [[HistoricAerials.com](http://HistoricAerials.com), 2015; GoogleEarthPro, 2015]. A summary of the aerials and topos reviewed is included below.

- The earliest available topo from 1893 indicates that the Site was vacant land near Loma Alta, approximately 5 miles east of Oceanside. The Site was located at the confluence of two drainages, forming a tributary to the Loma Alta Creek. The Loma Alta Creek and Southern California Railroad are located south of the Site. Further south is Loma Alta Mountain. San Luis Rey Mission and the San Luis Rey River were north of the Site.
- By 1939 the Site was undeveloped land that appeared to be cleared of vegetation for dry-land farming. Development was present west and southeast of the Site. Topography was hilly, with the northeastern portion of the Site elevated approximately 50 feet higher than the southwestern portion.
- By 1967 an unpaved road traversed the eastern portion of the Site, and by 1970 orchards were present north and south of the Site. A paved road was depicted east and south of the Site.
- By 1980 commercial development was present south of the Site along Oceanside Boulevard. Residential development was present east of the Site.
- By 1989 the Site was no longer used for dry-land farming. Commercial development was present adjoining south and east of the Site.
- By 1997 Avenida del Oro was present adjoining the Site to the west.
- By 2002 the Site was vacant land; however, the northwest portion of the Site and the property adjoining the Site to the north was used for agricultural purposes, including actively cultivated row crops. By 2005 the northwest portion of the vacant Site and the property adjoining the Site to the north were fallow agricultural land.

- By 2008 the Site appeared to be graded similar to its current configuration. Two stormwater retention basins were constructed in the southern portion of the Site. Rocky Point Drive was constructed north of the Site.
- Between 2009 and 2012 the Site appeared similar to its current configuration, and commercial development was ongoing adjoining north of the Site.
- In 2013 and 2014, the northwest portion of the Site was utilized as a construction yard. The fenced construction yard appeared to include staging of equipment, vehicles, bulk building materials, temporary offices, and a fueling AST. The fuel area appeared to include an AST within a secondary containment bin and underlain by plastic sheeting. Based on the observation of secondary containment and relatively short duration of fueling activities, the presence of the fueling area is not likely a REC.
- By late 2014 the Site and vicinity appeared similar to its current configuration.

### 3.4 Sanborn Maps

EDR conducted a search for Sanborn fire insurance maps for the Site area. EDR reported map coverage was not available for the area (Appendix F).

### 3.5 City Directories

City Directories were searched by EDR for selected years from 1903 to 2013 to assess occupancy at the Site and adjoining properties (Appendix F). EDR did not identify occupants for the Site. The United States Postal Service office building adjoining the Site to the west was listed with an address of 1895 Avenida Del Oro in 2013. The adjoining property to the southeast, 4128 Avenida de la Plata, was listed to include various businesses, including a wood products retailer; refrigeration, plumbing and heating contractors; apparel; and sports equipment retail stores from 1995 to 2006. The property also included a doctor's office in 1995 and a decorative services facility in 2006. Other adjoining properties to the southeast include 4120 Avenida de la Plata, which was listed as Jones Broadband International from 2000 to 2006, and 4112 Avenida de la Plata, which was listed as Landmark Manufacturing Inc. from 1991 to 2006, Tower Mortgage in 1991, a travel agency in 1995, and Allen Industry in 2000. The adjoining property to the south, 4100 Avenida de la Plata, was listed as Aquasep in 1991, Artistic Maintenance Inc. and Lasting Impressions Inc. in 1995, National Testing in 2000, a commercial painting facility in 2006, and ACT diagnostics from 2000 to 2006. No evidence of apparent RECs was identified in the City Directories reviewed.

### 3.6 Local Regulatory Agencies

Geosyntec contacted the following federal, state, and local agencies and accessed associated online databases to identify information pertaining to the Site. Requests for information and documents obtained from the agencies are provided in Appendix B:

- United States Environmental Protection Agency

- California Department of Toxic Substances Control and EnviroStor Database
- Regional Water Quality Control Board - San Diego Region and GeoTracker Database
- California Department of Oil, Gas, and Geothermal Resources Database
- CalRecycle Solid Waste Information System
- San Diego Air Pollution Control District
- San Diego County Department of Environmental Health
- Oceanside City Fire Department
- Oceanside City Building Department
- Oceanside City Engineering Department-Industrial Waste Program
- Oceanside City Community Development Commission

As of the date of this report, responses have not been received from each requested agency; however, pertinent records received to date and obtained from publicly available online sources are summarized below. If files are received after finalization of this report which change the conclusions herein, an addendum will be prepared.

#### United States Environmental Protection Agency (USEPA)

On 5 August 2015 the USEPA indicated that they would respond within (20) working days to the request to review files and no response has been received by the time this report was prepared. However, no records for the Site were identified in the USEPA's MyPropertyInfo database. It is unlikely that the USEPA will have records for the Site; therefore, a lack of response is not considered a data gap.

#### California Department of Toxic Substances Control (DTSC) and EnviroStor database

The DTSC – Chatsworth and Cypress Offices indicated that they had no files for the Site.

No pertinent cases related to nearby properties were identified in the DTSC's EnviroStor database.

#### RWQCB - San Diego Region and GeoTracker Database

The RWQCB indicated that they had files for the general Site area, along Rocky Point Drive. The files were related to a construction project located at the northern terminus of Rocky Point Drive on parcels 27, 27, and 29. Thus the RWQCB had no files pertaining to the Site.

Cases related to nearby properties were identified in the RWQCB's online GeoTracker database. A summary of pertinent findings is below:

- National Metal Technologies – 4040 Calle Platino: Located approximately 0.2 miles southwest of the Site, the former National Metal Technologies potentially contaminated soil due to a release of waste, motor, hydraulic, and lubricating oil. The release was reported in October 1992, but the case was granted closure as of August 1994. Based on the distance and direction from the Site, this property is unlikely to have adversely affected the Site.
- TMI Facility – 4079 Calle Platino: Located approximately 0.25 miles south of the Site, the former TMI facility potentially impacted the property due to a gasoline related release in October 1995. However, the case was also granted closure as of October 1995. Based on the distance and direction from the Site, this property is unlikely to have adversely affected the Site.
- Unocal 76 – 4181 Oceanside Boulevard: Located approximately 0.5 miles southeast of the Site, the former Unocal 76 gasoline station potentially impacted an aquifer used for drinking water supply. An investigation for the property was conducted due to elevated Total Petroleum Hydrocarbons levels found during the replacement of piping and dispensers onsite. The source of the contamination was removed during the replacement of the piping and dispensers. Thereafter, a total of six monitoring wells were installed to monitor potential impacts to groundwater. Throughout the duration of the site investigation and remediation, only one monitoring well (MW-3; drilled in the source area) showed levels of contaminants significantly above Maximum Contaminant Levels (MCL). An estimated 140 cubic yards of contaminated soil remain onsite. However, no current health or groundwater risks are considered to exist, the groundwater plume appears to be stable, and the water district has no plans to install wells in the area. It is expected that remediation will occur by monitored natural attenuation. The case was granted closure as of 15 March 2007. Based on the distance and direction from the Site, this property is unlikely to have adversely affected the Site.
- Unocal 76 – 4181 Oceanside Boulevard: Located approximately 0.5 miles southeast of the Site, the former Unocal 76 gasoline station was in operation on the 1.19-acre property from 1988 until it was sold in October 2009. A subsurface investigation was performed in September 2009 preceding sale of the property which collected soil samples. Soil sample analytical results indicated that low-level petroleum hydrocarbon impacts had occurred as a result of the gas station operation. In association with redevelopment of the property in March 2010, four underground storage tanks (USTs) and associated dispensers and piping were removed. Observation of the base of gasoline tank excavation was hampered by the presence of groundwater, which exhibited a surface sheen and appeared to be impacted by fuel. Therefore, a site investigation work plan and an addendum were submitted to the DEH in April 2010 which included further excavation, soil sampling, and groundwater monitoring. Excavation activities at the site substantially removed the petroleum

hydrocarbon-impacted soils that subsequently impacted groundwater. Petroleum hydrocarbon impacts to groundwater were minimal, and the detected concentrations of MTBE were below its MCL. Based on the findings, no further action at the site and case closure was granted on February 2012. Based on the distance and direction from the Site, this property is unlikely to have adversely affected the Site.

#### California Department of Oil, Gas, and Geothermal Resources (DOGGR) Database

Review of the DOGGR database on 5 August 2015 did not indicate the presence of current or historical oil, gas, or geothermal wells within 1 mile of the Site

#### CalRecycle Solid Waste Information System (SWIS)

Review of the SWIS database on 5 August 2015 did not indicate the presence of a current or former solid waste facility at the Site or within 1 mile of the Site.

#### San Diego Air Pollution Control District (APCD)

The APCD indicated that they had files for the Site; however, the records were related to a Credit Union facility with the address of 1278 Rocky Point Drive, and not the Site.

#### San Diego County Department of Environmental Health (DEH)

The DEH-Hazardous Materials Management Division indicated that they had records for APN 161-512-26 and 161-512-27, Oceanside, California. A geotechnical boring construction permit for six borings was submitted by Kleinfelder on behalf of SDG&E in April 2012. A 60-day driller's report was attached which detailed a total of four of the six borings were drilled by Hollow-Stem Auger drilling method to depths ranging from about 70 to 80 feet onsite. Following drilling, the borings were backfilled with bentonite grout via tremie method. Additionally, a second geotechnical boring construction permit for six onsite borings was submitted by Kleinfelder on behalf of SDG&E in April 2015. No 60-day driller's report was provided.

#### Oceanside Fire Department

The Fire Department – Fire Prevention indicated that a street address is necessary to run a records search with the Oceanside Fire Department; therefore, no records were received.

#### Oceanside Building Department

The Building Department indicated they had no records pertaining to the Site.

City of Oceanside Water Utilities Department - Industrial Waste Program

The Industrial Waste Program indicated that a street address is necessary to run a records search with the Industrial Waste Program; therefore, no records were received.

**3.7 Previous Site Assessment Reports**

The User provided a previous Phase I ESA report for the Site and adjoining properties (property) prepared by URS dated 7 February 2006. The Phase I ESA was prepared in general accordance with ASTM Practice E 1527-00 for the proposed Pacific Coast Business Park property located west of College Boulevard and south of Old Grove Road in Oceanside. A summary of the previous URS Phase I ESA findings is presented below:

- The previous ESA was prepared for a 125-acre property which included the Site.
- Several small non-permitted water producing wells formerly used to irrigate the farmland were located on the 125-acre property. The location of the wells with respect to the Site was not provided.
- According to a geotechnical study, fill soils of up to 60 feet thick have been encountered in the Site vicinity. The geotechnical study reportedly did not indicate the presence of environmental concerns or non-native fill, and no evidence of environmental concern was identified during the ESA.
- Based on the findings of the Phase I ESA, URS did not identify current or historic recognized environmental conditions (RECs) for the property.

The User also provided a previous Phase I ESA report for the Site prepared by Geosyntec dated 21 December 2012. The Phase I ESA was prepared in accordance with ASTM Practice E 1527-05 for the Site. A summary of the pertinent previous Geosyntec Phase I ESA findings is presented below:

- The Site was undeveloped land used for dry-land farming from prior to 1939 until 1989. The northwest portion of the Site was cultivated with row crops sometime between 1994 and 2005. The Site was graded similar to its current configuration in 2007 in preparation for development.
- Two stormwater retention basins and drop-inlet storm drains were located in the southern portion of the Site to collect surface water from the graded top deck portion of Site. Reclaimed water irrigation lines were observed along the perimeter of each parcel.
- Based on the findings of the Phase I ESA, Geosyntec did not identify current or historic recognized environmental conditions (RECs) for the property.

- In the event soil is disturbed during future Site development activities, soils should be characterized in advance of any such activities in light of the historical agricultural uses of the Site to ensure proper handling, transportation and disposal.

## 4 INTERVIEWS

The user provided contact information for Mr. Jim Seifert, Manager of Corporate Real Estate and Planning for SDG&E and a representative of the Site. A summary of the interview conducted is presented below:

### 4.1 Interview of Property Owner Representatives

Mr. Seifert indicated that he is the Manager of Corporate Real Estate and Planning for SDG&E, and is knowledgeable regarding Site conditions. When asked about property history, Mr. Seifert indicated that the property was historically used for light agricultural purposes prior to a developer purchasing the property and grading the site into its current configuration. He indicated that when SDG&E purchased the property in 2012, the Site was similar to current conditions. The property was reportedly purchased by SDG&E for the future construction of an electrical substation. When asked about SDG&E's use of the Site, Mr. Seifert indicated that the property has not been used or developed under their ownership. When asked about knowledge of hazardous substances or petroleum products at the Site, Mr. Seifert explained that he is not aware of any such materials that have been used, stored, or disposed at or nearby the Site.

Mr. Seifert reported that he had no knowledge of any spills, leaks, or environmental incidents associated with the property.

### 4.2 Interview of State and/or Local Officials

No case managers were identified at regulatory agencies which may have had files related to the Site; therefore, interview of regulatory personnel was not performed.



## 5 SUMMARY OF SITE RECONNAISSANCE

The following section summarizes observations made during the Site reconnaissance performed by Mr. Steven Phillips, GIT and Mr. Douglas Baumwirt, PG of Geosyntec on 6 August 2015.

### 5.1 Methodology

The Site reconnaissance included a walking survey of the Site. The adjoining properties were inspected by walking access roads and driving on public roads. Figure 2 depicts the Site and vicinity layout and features as identified during the Site reconnaissance. Photographs taken during the Site reconnaissance are included in Appendix H.

### 5.2 Reconnaissance Observations

A summary of reconnaissance observations is provided in Table 1. No observations indicative of RECs were observed during the Site reconnaissance. De Minimis observations are summarized below:

- Minor amounts of surficial trash were observed throughout the Site.
- Approximately seven tires were observed in the northeast and central portion of the western parcel.
- Two small soil stockpiles of unknown origin, and a concrete and clay-brick debris stockpile were observed on the western parcel.
- A small stockpile containing wood, carpet, and pavement debris was observed in the northwest portion of the western parcel.
- Solid-waste dumping was observed along the Site boundary in the northeast corner of the Site.

## 6 SUMMARY OF FINDINGS

Geosyntec has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-13 of the proposed Ocean Ranch Substation property located north of the intersection of Avenida del Oro and Avenida del Plata, and south of the southern terminus of Rocky Point Drive in Oceanside, California. This assessment has revealed the following:

### 6.1 Site Conditions and Use

The Site is located within a commercial/light industrial area (Figure 2). The Site appeared to be undeveloped land used for dry-land farming since prior to 1939 until 1989. The northwest portion of the Site was later cultivated with row crops between 1994 and 2005. The Site was graded similar to its current configuration in 2007 in preparation for development, and two stormwater retention basins were constructed in the southern portion of the Site. Between 2009 and 2012 the Site and vicinity appeared similar to its current configuration, excluding the northwest portion of the property. In 2013 and 2014, the northwest portion of the Site was utilized as a construction yard, including a fueling area and staging of equipment, trucks, and bulk building materials. By late 2014 the Site and vicinity appeared similar to its current configuration. The Site is currently graded, vacant land situated on a relatively flat terrace topographically elevated above the adjoining street to the west of the Site (Figure 2).

### 6.2 Offsite Conditions and Use

The Site is located north of the intersection of Avenida Del Oro and Avenida Del Plata within a business park area of Oceanside. North of the Site is an office building business park; east and South of the Site are light industrial/commercial buildings; and west of the Site beyond Avenida Del Oro is a United States Postal Service distribution facility and vacant land.

### 6.3 Data Gaps

Following this investigation, it appears that “data gaps” as defined by ASTM, do not exist for the Site.

### 6.4 Recognized Environmental Conditions

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-13 of the Site which encompasses approximately 9.66 acres located north of the intersection of Avenida del Oro and Avenida del Plata, and south of the southern terminus of Rocky Point Drive in Oceanside, California. Any exceptions to, or deletions from, this practice are described in Section 6.3 Data Gaps of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the property.

### 6.5 De Minimis Conditions

*De minimis* conditions are environmental conditions which generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement

action if brought to the attention of the appropriate governmental agencies. Conditions determined to be *de minimis* are not RECs. *De minimis* conditions observed at the Site included the following:

- The Site was utilized for agricultural operations which are commonly associated with pesticide use, and equipment storage, maintenance, and fueling; however, no records indicative of environmental issues related to former agricultural operations were identified. Furthermore, the Site has since been re-graded, including significant cut and fill earthwork.
- Minor amounts of trash were observed throughout the Site, including seven tires in the northeast and central portion of the western parcel. Two soil stockpiles of unknown origin were observed on the western parcel, including a concrete and clay-brick debris stockpile, and a stockpile containing wood, carpet, and pavement debris.
- The Site was used as a construction staging yard in 2013 and 2014, including staging of equipment, vehicles, bulk building materials, and a fueling area. The fueling area appeared to include secondary containment, and evidence of significant spillage from the fueling area or from staged equipment/vehicles was not observed.

## 7 CERTIFICATION

This environmental site assessment (ESA) was prepared in accordance with the scope of work, terms and conditions described in Geosyntec's proposal dated 30 July 2015. This proposal incorporated by reference the ASTM Standard E 1527-13, *Standard Practice for Environmental Assessments: Phase I Environmental Site Assessment Process*.

"I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of 40CFR 312 and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR part 312."



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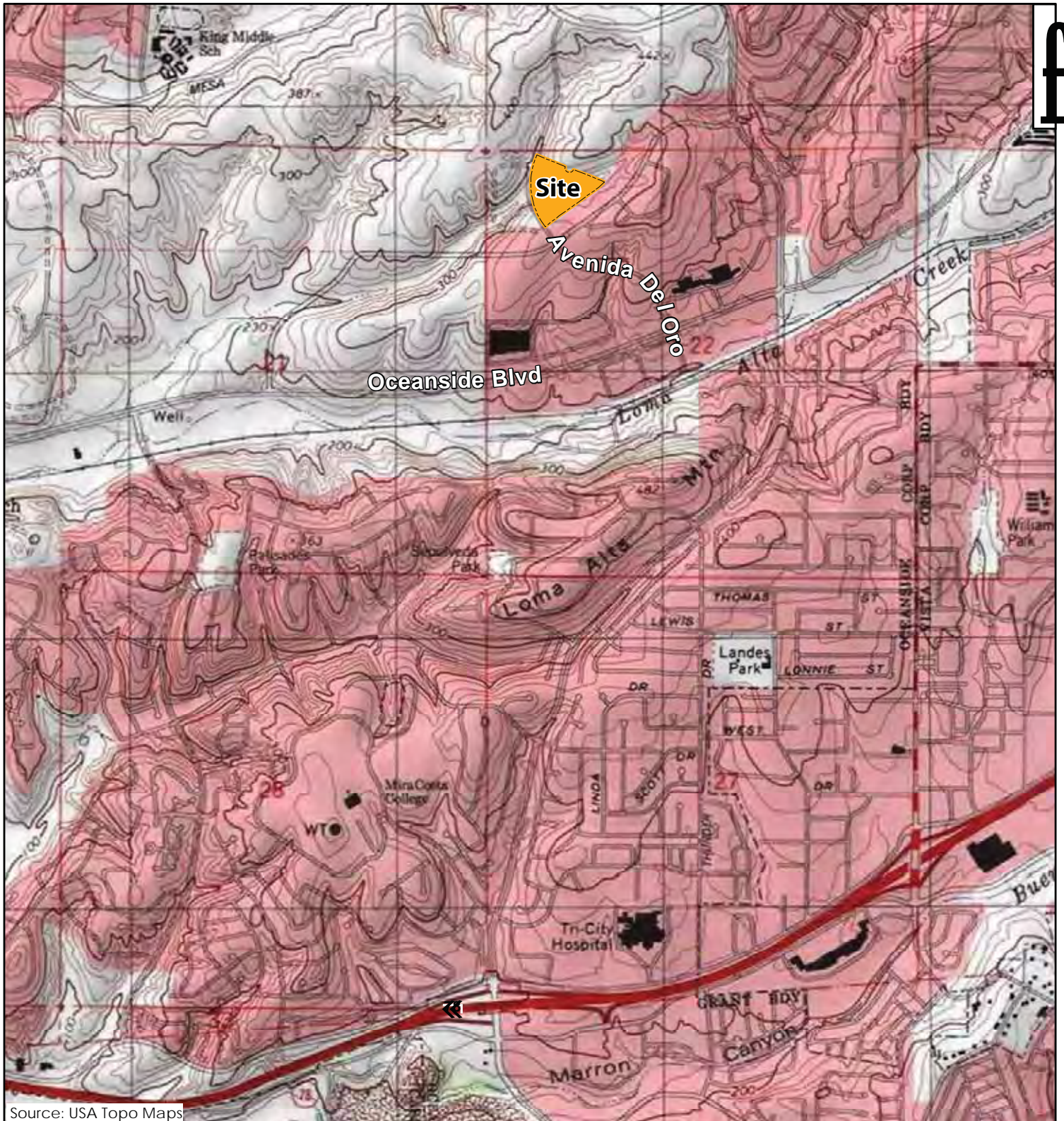
Douglas Baumwirt  
California Professional Geologist No. 8745

27 August 2015  
Date

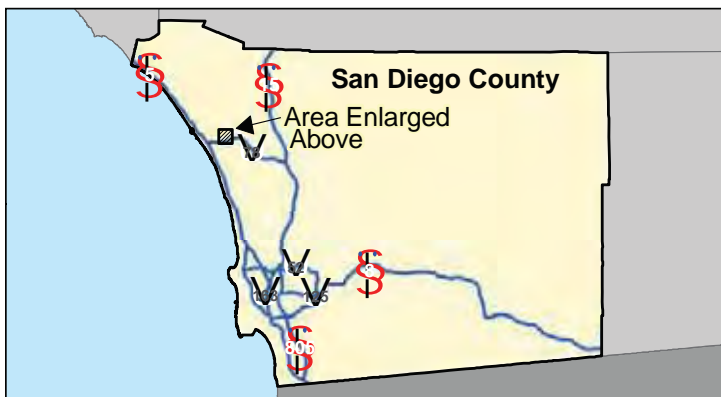
## 8 REFERENCES

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- EDR, 2015. The EDR Radius Map Report with GeoCheck, Inquiry No. 4375265.2s Environmental Data Resources, Inc., 5 August 2015.
- GoogleEarthPro, 2015. Avenida del Oro and Avenida de la Plata, Oceanside, California 92056. Accessed 5 August 2015.
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- Kleinfelder, 2012. 60-Day Report. Proposed Ocean Ranch Substation. Pacific Coast Business Park – Parcels 7, 16, and 17. San Diego Gas & Electric. Dated April 2012.
- San Diego Regional Water Quality Control Board (RWQCB), 2011. Water Quality Control Plan for the San Diego Basin (9). 8 September 1994, amended 4 April 2011.
- TRC Solutions (TRC), 2006. Quarterly Monitoring Report. 76 Station 7288; 4181 Oceanside Boulevard, Oceanside, California. 1 December 2006
- URS Corporation Americas (URS), 2006. Phase I Environmental Site Assessment Pacific Coast Business Park, SW College Boulevard and Old Grove Road, Oceanside, Washington. 7 February 2006.

# FIGURES



Source: USA Topo Maps



2,000 1,000 0 2,000 Feet

**Site Location**  
 Phase I ESA  
 Ocean Ranch  
 APN 161-512-26 and -27  
 Oceanside, California

**Geosyntec**  
 consultants

**Figure**

San Diego

August 2015

1

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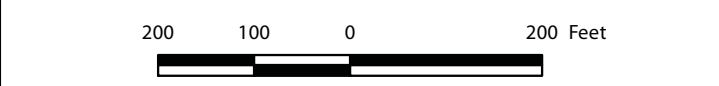




- Former Construction Staging Area
- Site Boundary
- Parcel Boundary with APN

Esri World Imagery 2014

Source: Esri, i-cubed, USDA, USGS, AE



**Site Features**  
 Phase I ESA  
 Ocean Ranch  
 APN 161-512-26 and -27  
 Oceanside, California

**Geosyntec**  
 consultants

San Diego      August 2015

**Figure**  
 2



# TABLES

**TABLE 1**  
Summary of Site Reconnaissance  
Phase I ESA  
Proposed Ocean Ranch Substation Property  
Oceanside, California

ASTM Section	Feature or Condition	Description
<b>General Site Setting</b>		
9.4.1.1 & 9.4.1.2	Current and Former Property Usage	The Site is graded, vacant land. Portions of the Site were formerly used for farming prior to 2008. North of the Site are light-industrial/warehouse/office buildings; southeast of the Site are commercial/light-industrial buildings; west of the Site is a United States Postal Service office building; northwest of the Site is a property currently undergoing development for an apparent office building; and southwest of the Site is a vacant property. Several drums were observed at the adjoining Landmark Manufacturing, Inc. facility.
9.4.1.3 & 9.4.1.4	Current and Former Adjoining Property Usage	The Site vicinity has been a mix of undeveloped land and agricultural property since prior to 1939. By 1980 commercial development was present in the Site vicinity.
9.4.1.5	Current and Former Use of Surrounding Area	The Site is currently undeveloped. Two stormwater retention basins and storm drain drop inlets are located in the southern portion of the Site.
9.4.1.6	Geology, Hydrogeology, Hydrology, Topography of Site and Adjoining Properties	The Site is approximately 5 miles from the Pacific Ocean and lies on a coastal plain gently sloping to the southwest toward the ocean. Site geology is expected to consist of interbedded sandstone, siltstone, and claystone of the Santiago Formation. Groundwater is assumed to lie greater than 30 ft below the ground surface. The Site has been graded and is situated on a relatively flat terrace with steep slopes along the western margin of the Site. Two stormwater retention basins and drop inlets are located in the southern portion of the Site.
9.4.1.7	Onsite Structures	An asphalt paved road is present along the northwestern property boundary. The remaining portions of the Site are currently bare soil.
9.4.1.8	Roads and Parking Areas	Municipal water utility vaults were observed north of the Site in Rocky Point Drive. Reclaimed water irrigation plumbing was observed along the perimeter and central portion of the Site.
9.4.1.9	Potable Water supply	No septic systems were observed at the Site and utility vaults for the municipal sewer system were observed north of the Site in Rocky Point Drive.
9.4.1.10 & 9.4.4.7	Sewage Disposal or Septic Systems	
<b>Interior and Exterior Observations</b>		
9.4.2.3 & 9.4.2.8	Hazardous Substances or Petroleum Products	Hazardous materials and petroleum hydrocarbons were not observed during the reconnaissance.
9.4.2.4	Underground Storage Tanks	No USTs or evidence of USTs were observed at the Site.
9.4.2.4	Above-ground Storage Tanks	No ASTs or evidence of ASTs were observed at the Site.
9.4.2.5	Odors	No odors were noted.
9.4.2.6	Pools of Liquids	No pools of liquid were observed.
9.4.2.7	Drums and Containers > 5 Gallons	No drums or containers greater than 5 gallons were observed.
9.4.2.9	Unidentified Substances/Containers	No unidentifiable substances or containers were observed at the Site.
9.4.2.10	PCB Items	No items containing PCBs were observed.
<b>Interior Observations</b>		
9.4.3.1	Heating and Cooling Systems	No structures were present; therefore, no heating and cooling systems were observed.
9.4.3.2	Stains/Corrosion	No structures were present; therefore, no interior staining was observed onsite.
9.4.3.3	Drains and Sumps	No structures were present; therefore, no interior drains or sumps were observed onsite.
<b>Exterior Observations</b>		
9.4.4.1	Pits, Ponds, or Lagoons (Onsite and Adjoining)	Two dry stormwater retention basins were located in the southern portion of the Site.
9.4.4.2	Stained Soil or Pavement	No stained soil or pavement was observed at the Site.
9.4.4.3	Stressed Vegetation	No stressed vegetation was observed at the Site.
9.4.4.4	Solid Waste	Minor surficial solid waste debris was scattered across the Site, including concrete/clay brick/pavement/wood debris, tires, and two soil stockpiles.
9.4.4.5	Wastewater or Stormwater Discharge	Surface water drains toward two stormwater retention basins and drop inlets. Two clusters of four to five stormdrain manhole covers were observed south of each of the stormwater retention basins.
9.4.4.6	Wells	No wells were observed at the Site.

APPENDIX A  
Qualifications of the Environmental  
Professional

**DOUGLAS J. BAUMWIRT, PG**  
**Senior Geologist**

**Phase I Environmental Site Assessments**  
**Phase II Site Characterization**  
**Contaminated Site Mitigation/Remediation**  
**Mineral Remediness Evaluations**  
**Hazardous Materials Management**  
**Litigation Support**  
**Project Management**

## **CAREER SUMMARY**

Mr. Baumwirt joined Geosyntec Consultants in 2005 after working in the legal and geotechnical consulting fields. Representative experience includes the performance of Phase I Environmental Site Assessments (ESAs); extensive work plan preparation and implementation; coordination and mobilization of diverse field activities; sample collection; statistical analyses; preparation of groundwater monitoring, phase II environmental site assessment, site conceptual models, and many other reports; and project management for a wide variety of projects and budgets. Mr. Baumwirt's diverse background and multidisciplinary professional experience enables him to provide innovative and valuable services to a broad range of project types.

### **Environmental Assessment and Due Diligence Services**

Mr. Baumwirt has performed more than 150 Phase I ESAs throughout the United States and Mexico in accordance with ASTM standards to evaluate the presence of Recognized Environmental Conditions (RECs) associated with the subject properties. The Phase I ESAs have involved a variety of property types and proposed usages, including:

- Large remote rural properties
- Petroleum distribution facilities/pipelines
- Large-scale linear projects (mixed uses)
- Pesticide manufacturing/distribution
- Concrete and asphalt production/distribution
- Large and small agricultural properties
- Commercial wholesale and retail facilities
- Biosolids processing and composting
- Electricity generating/transmission facilities
- Residential properties
- Industrial manufacturing facilities
- Aviation/aerospace manufacturing
- Rail and transit facilities
- Mines
- Schools
- Salvage yards
- Dry cleaners
- Service stations
- Landfills and burn dumps
- Former military installations

Based on the results of Phase I ESAs, additional due diligence services have included numerous Phase II site characterizations to assess potential impacts resulting from historical activities. Activities conducted include surface geophysical surveys; asbestos and lead-based surveys and abatement; soil, soil vapor, groundwater and surface water assessments; human health risk assessments; feasibility studies; developing estimated site cleanup costs and liability valuation;

developing cleanup goals based on the current and/or future intended site usage; regulatory support and coordination; regulatory compliance; and litigation support.

Examples of the range of due diligence services provided by Mr. Baumwirt include:

**International Phase I Environmental Site Assessment and Limited Compliance Evaluation, Oberg Industries, Tecate, Mexico**

Geosyntec was contracted to perform a Phase I Environmental Site Assessment and limited compliance evaluation for an operating Maquiladora facility in Tecate, Mexico. Maquiladora facilities take advantage of less stringent labor and environmental requirements in Mexico's borderlands; however, environmental liabilities commonly exist and are often not properly identified prior to acquisitions. Therefore, prior to the client's acquisition, Mr. Baumwirt travelled to Tecate, Mexico to evaluate the subject facility used for the manufacturing of metal goods for the home and hardware industry. The facility included a 50,000 square-foot manufacturing floor, warehouse, process water pre-treatment and wastewater containment systems, and hazardous materials and waste storage areas. Standard federal, state, and tribal record sources outlined in the ASTM E1527-13 Standard are unavailable in Mexico; therefore, records reviews and interviews were performed in-person at local offices in the Tecate area. Geosyntec also provided guidance on significant Mexican environmental regulations applicable to operations observed at the site. The scope of work was completed on an expedited basis, with submittal of the draft report within 2 days of the site reconnaissance.

**Phase I Environmental Site Assessment and Phase II Site Characterization, Four Corners Generating Station, Southern California Edison**

The Four Corners Generating Station (FCGS) is a coal-burning power plant located in northwestern New Mexico on land leased by the Navajo Nation. Since initiation of the plant in 1959, coal-combustion residuals have been disposed onsite and on adjoining properties. Geosyntec was contracted to perform a suite of due diligence services for the site to evaluate the potential environmental liabilities associated with the possible sale of the client's interest in the FCGS. Mr. Baumwirt managed and performed a large-scale Phase I ESA for the site in accordance with ASTM Standard E 1527-05. Due to the complex site history, large facility size, and client's planned end use of the study, the Phase I ESA report was prepared using a unique table and figure-based report format that tabulated and visualized the findings for the Site. Subsequently, Mr. Baumwirt managed and performed a comprehensive Site Characterization which included advancement of more than 70 soil borings and collection of groundwater, sediment, and surface water samples. The phase II report included a comprehensive summary of findings for the due diligence investigation and a site conceptual model based on site specific findings and historical records.

**Phase I Environmental Site Assessment, 120-Mile Sunrise Powerlink, San Diego Gas & Electric**

Mr. Baumwirt served as project manager and primary author of a Phase I Environmental Site Assessment to identify potential presence of contamination within the right-of-way which may affect construction, mobilize contaminants, and/or expose workers or the public for the

construction of the approximately 120-mile transmission corridor. Due to the urgent nature of the project and investigation per the request of the client, Geosyntec was able to perform the site assessment and provide a draft executive summary to the client within 10 days of the site reconnaissance, and a draft Phase I ESA report within 30 days of authorization to proceed. The entire 60-square mile site assessment and final reporting was completed on schedule within 45 days. Subsequently, as additional properties were considered for purchase for the project, 42 addenda to the initial Phase I ESA were prepared on expedited schedules.

### **Phase II Environmental Site Assessments, 120-Mile Sunrise Powerlink, San Diego Gas & Electric**

Geosyntec has performed seven expedited Phase II Environmental Site Characterizations for properties throughout the planned Sunrise Powerlink project alignment in the backcountry of San Diego County to characterize the nature and extent of existing contamination, and provide remedial cost estimates to demolish constructed features, remove contaminated materials, and restore impacted properties to their pre-developed conditions. Sites assessed have included several properties adjoining agricultural chemical manufacturing sites, former agricultural facilities, industrial facilities, and rural residences. At the request of the client, in some cases, soil and groundwater site characterization investigations were scoped, implemented, and reported within two weeks. Additionally, due to SDG&E's observation of our outstanding project management and work product, SDG&E tasked Mr. Baumwirt to manage three other SDG&E subcontractors to coordinate the presentation of findings to the California Public Utilities Commission.

### **Mineral Remoteness Evaluations, Mitigation Properties, San Diego Gas & Electric**

To address requirements related to environmental permits for major capital improvement projects, SDG&E acquired a number of rural open space properties for donation to various conservation agencies. To establish conservation easements on these properties, Geosyntec performed mineral remoteness evaluations for five rural properties to address potential conflicts related to severed estates, where mineral rights and surface estates for a given property are reserved separately on the property's title. The purpose of the mineral remoteness evaluations was to determine if the probability of future implementation of mining activities at the surface of the site is so remote as to be considered negligible. The five evaluations were performed on time and under budget.

### **Phase I and Phase II Environmental Site Assessments, Confidential Home Improvement Retailer, Various Locations**

Mr. Baumwirt has assisted in conducting and reviewing over fifty Phase I ESAs for various proposed and operating home improvement retail store locations throughout the United States. Historical property uses at these sites include agricultural, rural, commercial, and industrial uses. Each Phase I ESA report was prepared in accordance with current ASTM E 1527 Standard Practice for ESAs. Mr. Baumwirt has prepared and implemented workplans for over ten Phase II ESAs for various proposed development locations throughout California from San Diego to Crescent City. Phase II ESA investigations included soil, soil vapor, and/or groundwater sampling for recognized environmental conditions identified in previous reports and in many instances performed coordination and oversight of asbestos and lead-based paint abatement



contractors. At the client's request, special coordination was often implemented to preserve the confidential nature of the investigation and/or difficult access issues.

**Site Closure Assessment, Former SoilServe Facility, Wilbur-Ellis Company, Brawley, California**

A retail agricultural chemical distribution facility leased an approximately 2.5-acre property for approximately 5 years. Geosyntec was contracted by WECO to perform a site closure assessment of the site after operations had ceased, to assess and document the conditions at the site prior to termination of the site lease. Mr. Baumwirt managed and performed the assessment on an expedited basis which included an initial site reconnaissance to observe site conditions and interview facility personnel, and a second phase to collect and analyze soil samples. The suite of analytical testing was specifically developed to include only chemicals of concern which were handled at the site by the client, including certain metals, chlorinated herbicides, organophosphorus compounds, fertilizer compounds, and petroleum hydrocarbons. Geosyntec delivered a concise report which clearly documented site conditions at the time the client's lease was terminated for the site.

**Soil Management Planning and Monitoring, San Diego Gas & Electric.**

Geosyntec previously performed a Phase I ESA for a linear project which identified several areas with likely existing soil and groundwater contamination along the proposed project's underground construction alignment. To prevent improper handling of contaminated soil and water, Mr. Baumwirt prepared a site-specific Soil Management Plan and managed the implementation of soil monitoring throughout construction in the vicinity of the previously identified areas of concern. Implementation included coordination with numerous construction contractors, identifying and screening impacted soil in the field, ensuring proper waste characterization, documenting field activities, and providing safety instruction to crews.

**EDUCATION**

San Diego State University, B.S., Geological Sciences, 2004

**PROFESSIONAL HISTORY**

Geosyntec Consultants, San Diego, California, 2005-Present

Geocon Consultants, Inc., San Diego, California, 2005

Eastwood-Stein Litigation Support, San Diego, CA 2001-2005

**PROFESSIONAL CERTIFICATIONS AND TRAINING**

California Professional Geologist No. 8745

Geosyntec Environmental Professional

Hazardous Waste Operations and Emergency Response (29 CFR 1910.120)

**APPENDIX B**  
**Pertinent Site Documents**



# *Environmental Support Services*

Environmental Research & Due Diligence Compliance

30251 Golden Lantern, #E-305, Laguna Niguel, CA 92677

**Tel) 949-429-3564 • Fax) 949-429-3563**

[www.EnvironmentalSupportServices.com](http://www.EnvironmentalSupportServices.com) • [Info@EnvironmentalSupportServices.com](mailto:Info@EnvironmentalSupportServices.com)

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August 15, 2015

Project Name: Oceanside

Geosyntec Consultants  
10875 Rancho Bernardo Road, Suite 200  
San Diego, CA 92127

Attention: Steven Phillips

Dear Mr. Phillips

Attached is the Environmental (Hazardous/Toxic Waste) Records Search Summary of the Rocky Point Drive, APN 161-512-26 & 161-512-27 ("Oceanside") site located in Oceanside, California. Environmental Support Services ("ESS") received the request on August 5, 2015 (See Appendix A). Should you have any questions regarding the summary, please call.

Sincerely,  
**Environmental Support Services**

Shannon Castagno  
Project Manager

[Shannon@EnvironmentalSupportServices.com](mailto:Shannon@EnvironmentalSupportServices.com)

## **Records Search Summary**

Company: Geosyntec Consultants  
Project Name: Oceanside  
Attention: Steven Phillips  
Street Address of Property: Rocky Point Drive  
APN 161-512-26 & 161-512-27  
Oceanside, CA

### **San Diego County Hazardous Materials Management Division**

E-mailed request: 8-5-15, Contact: Joyce Ellman

**ESS** submitted a request for a records search concerning the Oceanside site to Ms. Ellman, with the San Diego County Hazardous Materials Management Division (See Appendix B). **ESS** requested information concerning the utilization, manufacture, storage and/or discharge of hazardous materials/waste, and any information concerning previous or on-going site investigations/remediations pertaining to hazardous materials/waste. She informed **ESS** on August 12, 2015 that her department did have records for APN 161-512-26 & 161-512-27, Oceanside, CA (See Appendix B).

### **United States Environmental Protection Agency – Region IX**

Submitted on-line: 8-5-15, Contact: Ivry Johnson

**ESS** requested that Ms. Johnson, with the United States Environmental Protection Agency – Region IX, check her records for any files/information (such as treatment, storage and disposal of hazardous waste) concerning Rocky Point Drive, APN 161-512-26 & 161-512-27, Oceanside, CA. She informed **ESS** on August 5, 2015 that her department received **ESS'** Freedom of Information request and will respond within (20) working days (See Appendix C). Should any information concerning the site surface, **ESS** will immediately forward it to Mr. Phillips at the Geosyntec Consultants' office.

### **Department of Toxic Substances Control (DTSC) – Cypress Office**

E-mailed request: 8-5-15, Contact: Julie Johnson/Jone Barrio

Previous contacts with the DTSC have disclosed that this office only collects and stores information (such as treatment, storage and disposal of hazardous waste) concerning sites which have existing businesses, industries, etc. present. **ESS** requested that Ms. Johnson/Ms. Barrio, with the DTSC, check the file room records for any files/information concerning Rocky Point Drive, APN 161-512-26 & 161-512-27, Oceanside, CA (See Appendix D). Jone Barrio, with that offices informed **ESS** August 12, 2015 that her department had no files/information concerning that site (See Appendix D).

### **Department of Toxic Substances Control (DTSC) – Glendale Office**

E-mailed request: 8-5-15, Contact: Vivien Tutaan

Previous contacts with the DTSC have disclosed that this office only collects and stores information (such as treatment, storage and disposal of hazardous waste) concerning sites which have existing businesses, industries, etc. present. **ESS** requested that Ms. Tutaan, with the DTSC, check the file room records for any files/information concerning Rocky Point Drive, APN 161-512-26 & 161-512-27, Oceanside, CA (See Appendix E). As of August 15, 2015, Ms. Tutaan had not completed **ESS**' request. Should any information concerning the site surface, **ESS** will immediately forward it to Mr. Phillips at the Geosyntec Consultants office.

### **Oceanside Fire Department – Fire Prevention**

Telephoned: 8-5-15, 3:30 PM, Contact: Tiera David

**ESS** requested that Ms. David, with the Oceanside Fire Department, check her records concerning the storage of hazardous materials/waste and underground storage tanks with regards to the following: Rocky Point Drive, APN 161-512-26 & 161-512-27, Oceanside, CA. She informed **ESS** that you must provide a street address to run a search with the Oceanside Fire Department.

### **City of Oceanside Water Utilities Department – Industrial Waste Program**

Telephoned: 8-5-15, 3:45 PM, Contact: Barry

ESS requested that Barry, with the City of Oceanside Water Utilities Department – Industrial Waste Program, check his records for any information concerning industrial waste discharge permits or violations for Rocky Point Drive, APN 161-512-26 & 161-512-27, Oceanside, CA. He informed ESS that you must provide a street address to run a search with the City of Oceanside Water Utilities Department – Industrial Waste Program.

### **Oceanside Building Department**

Telephoned: 8-5-15, 4:00 PM, Contact: Palonia

ESS requested that Palonia, with the Oceanside Building Department, provide the building records (all building permits and certificates of occupancy) for Rocky Point Drive, APN 161-512-26 & 161-512-27, Oceanside, CA. She informed ESS August 13, 2015 that her department had no records for Rocky Point Drive, APN 161-512-26 & 161-512-27, Oceanside, CA. No further information concerning the site was obtained from this agency at the time of the investigation.

### **Regional Water Quality Control Board (RWQCB) – San Diego Region**

E-mailed request: 8-5-15, Contact: Public Records

ESS requested that the Public Records Section, with the RWQCB, provide the files for Rocky Point Drive, APN 161-512-26 & 161-512-27, Oceanside, CA (See Appendix F). Lucas Lima, with that department informed ESS August 6, 2015 that his department did have records for Rocky Point Drive, Oceanside, CA (See Appendix F).

### **San Diego Air Pollution Control District (SDAPCD)**

E-mailed request: 8-5-15, Contact: Public Records Unit

ESS submitted a search request concerning active, inactive and sold files for Rocky Point Drive, APN 161-512-26 & 161-512-27, Oceanside, CA to the Public Records Unit at the SDAPCD (See Appendix G). Peggy Fernandez, with that department informed ESS August 14, 2015 that her department did have records for Rocky Point Drive, APN 161-512-26 & 161-512-27, Oceanside, CA (See Appendix G).

Records Search completed by:

A handwritten signature in black ink that reads "Shannon Castagno". The signature is written in a cursive style with a large initial 'S'.

---

Shannon Castagno  
Project Manager  
**Environmental Support Services**

The information provided in this report was obtained by a comprehensive examination of public records, public information and public servant communications. The degree of care performed by **ESS** is equivalent to that exercised by environmental companies performing similar records searches.

## **Appendix A**

### Environmental (Hazardous/Toxic Waste) Records Search Order Form



**From:** Steven Phillips [SPhillips@Geosyntec.com]  
**Sent:** Wednesday, August 05, 2015 2:42 PM  
**To:** Shannon Castagno  
**Cc:** Douglas Baumwirt  
**Subject:** Request for File Review Services; Ocean Ranch Substation Property  
**Attachments:** RockyPointProperty.jpg

Good Afternoon Shannon,

I hope your summer has been great so far. I am beginning a phase I ESA, and I would like to initiate a file review for a two-parcel property located south of the southern terminus of Rocky Point Drive, north of the intersection of Avenida del Oro and Avenida de la Plata, in Oceanside, California. The site does not have any listed addresses ; It is identified by the San Diego County Assessors' Office as parcel numbers 161-512-2600 and 161-512-2700 (approximately 9.66 acres). I have attached an image which illustrates the Site boundary.

Please contact the following agencies:

- USEPA
- SDHMMD (County Environmental Health) & DEH SAM department
- DTSC
- RWQCB – SD Region
- South Coast AQMD
- SD County Dept of Public Works (USTs and HazMat)
- SD County – Agriculture, Weights, and Measures – Department of Pesticide Regulation (DPR)
- City of Oceanside - Fire Department
- City of Oceanside - Building Department
- City of Oceanside – Industrial Waste Program
- Other pertinent environmental agencies for Oceanside/San Diego County

If you have any questions or concerns, please contact me. Additionally, please confirm at your earliest convenience that you are available to take this file review on.

Thank you,

**Steve R Phillips**  
Staff Geologist

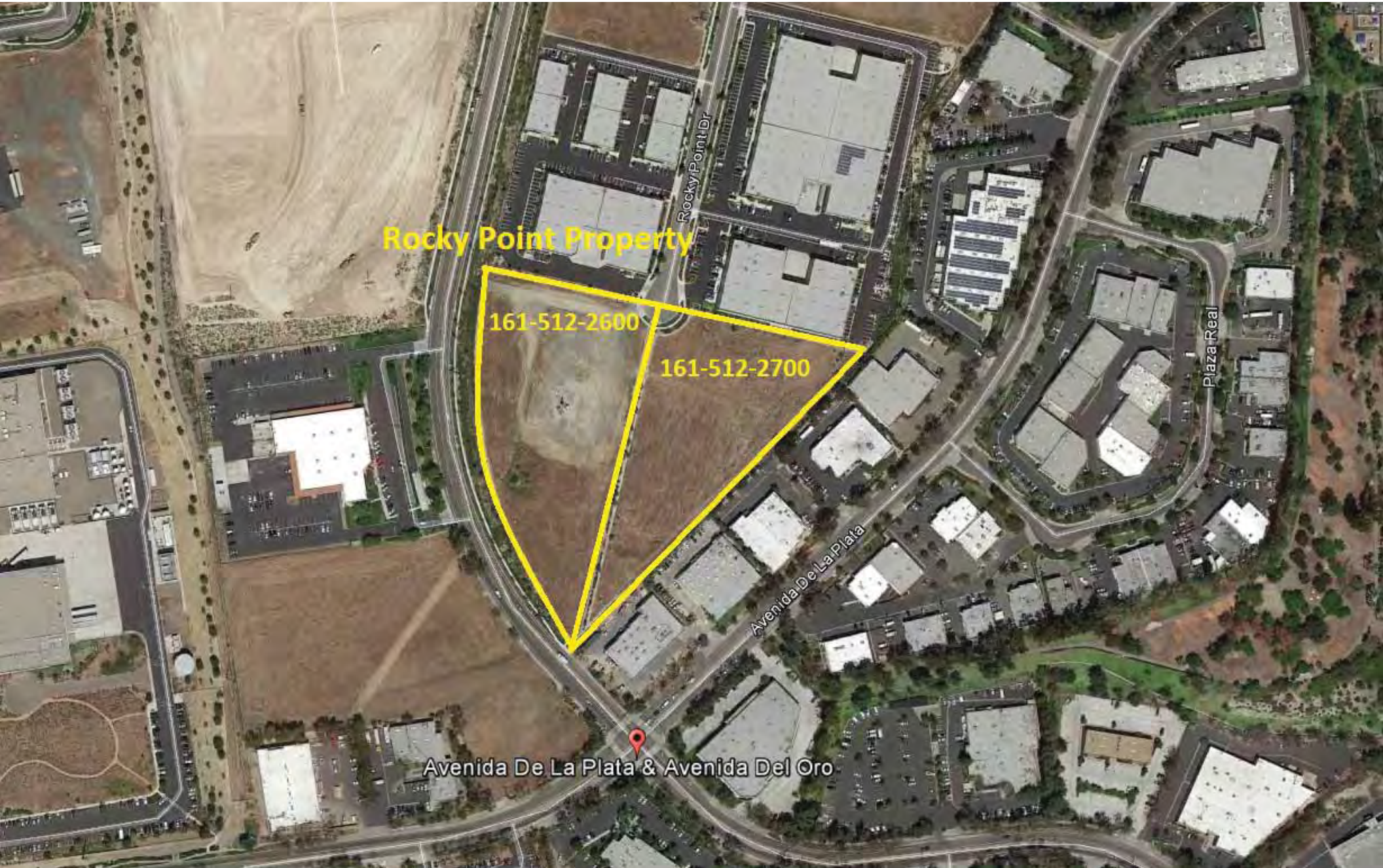
-----  
10875 Rancho Bernardo Road  
Suite 200  
San Diego, California 92127  
Phone: 858.716.2938  
Mobile: 949.291.2859  
Email: [sPhillips@geosyntec.com](mailto:sPhillips@geosyntec.com)



[www.Geosyntec.com](http://www.Geosyntec.com)

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Rocky Point Property

161-512-2600

161-512-2700

Avenida De La Plata & Avenida Del Oro

Rocky Point Dr

Avenida De La Plata

Plaza Real

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## **Appendix B**

Request for Records Search to the  
San Diego County HMMD and  
Photocopies Obtained from that Agency



**OFFICE USE ONLY**  
Request # \_\_\_\_\_

# County of San Diego

JACK MILLER  
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH  
P.O. BOX 129261, SAN DIEGO, CA 92112-9261  
(858) 505-6700 FAX (858) 505-6848  
[www.sdcdeh.org](http://www.sdcdeh.org)

ELIZABETH POZZEBON  
ASSISTANT DIRECTOR

## PUBLIC RECORDS REQUEST FOR THE SITE ASSESSMENT AND MITIGATION (SAM) PROGRAM AND HAZARDOUS MATERIALS DIVISION (HMD)

Requestor Name: _____	<b>Environmental Support Services</b>	
Phone: ( _____ ) _____		_____
Company Name: _____	Shannon Castagno	
Mailing Address: _____	30251 Golden Lantern, Suite #E-305 Laguna Niguel, CA 92677	8/5/15
	Tel: 949-429-3564 - Fax: 949-429-3563	Business card if preferred

Additional information: Shannon@EnvironmentalSupportServices.com [www.sdcdeh.org](http://www.sdcdeh.org). Fax or email your completed form to the Public Records Program at (858) 505-6848 or [deh.publicrecords@sdcounty.ca.gov](mailto:deh.publicrecords@sdcounty.ca.gov). The following information is required. Separate forms are needed for each address or parcel number.

APN's 161-512-26; 161-512-27, Oceanside, CA 92056  
 Exact Address (Street, City and Zip Code) \_\_\_\_\_ Assessor's Parcel Number \_\_\_\_\_

Optional information (establishment permit number, business name, etc.): \_\_\_\_\_

**Please indicate the purpose of your search by checking all that apply:**

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> Contaminated Property Investigation(s) (SAM Cases)<br><input checked="" type="checkbox"/> SAM Closure Letter/Report<br><input checked="" type="checkbox"/> Hazardous Materials Permit & Underground Storage Tank Files (HMD/UST)<br><input type="checkbox"/> Other: _____ (specify) | <input type="checkbox"/> Monitoring Well Files (select conditions that apply)<br><input type="checkbox"/> Government agency request<br><input type="checkbox"/> Consultant with related case<br><input type="checkbox"/> Written authorization from owner (attach letter) |
|---|---|

### OFFICE USE ONLY BELOW THIS LINE

Files reviewed by: _____ of _____	Date: ____/____/____
Files copied for: _____ of _____	Date: ____/____/____
Request cancelled by: _____	Date: ____/____/____
Photocopies _____ Cost _____ Picked up/mailed on _____	By _____

**A search for DEH records checked above has been conducted and the following apply:**

- SAM files for the permit number(s) listed below are available.  
 # \_\_\_\_\_ # \_\_\_\_\_ # \_\_\_\_\_ # \_\_\_\_\_ # \_\_\_\_\_
- HMD/UST files for the permit number(s) listed below are available.  
 # \_\_\_\_\_ # \_\_\_\_\_ # \_\_\_\_\_ # \_\_\_\_\_ # \_\_\_\_\_
- Original records were purged. Database-only records are available (at: [http://sdcounty.ca.gov/deh/doing\\_business/hazmat\\_search.html](http://sdcounty.ca.gov/deh/doing_business/hazmat_search.html)) for the following permit number(s):  
 # \_\_\_\_\_ # \_\_\_\_\_ # \_\_\_\_\_ # \_\_\_\_\_ # \_\_\_\_\_
- No SAM/HMD/UST records were found for the address/APN you requested.

\_\_\_\_\_  
Signature - DEH Representative

\_\_\_\_\_  
Date

DEH complies fully with the California Public Records Act and the Federal Freedom of Information Act. Please be advised that photocopy and/or scanned file fees may apply.



Rocky Point Property

161-512-2600

161-512-2700

Avenida De La Plata & Avenida Del Oro

Rocky Point Dr

Avenida De La Plata

Plaza Real

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PERMIT #LMON108439  
 A.P.N. # 161-512-17, -26, -27  
 EST # NONE

**COUNTY OF SAN DIEGO  
 DEPARTMENT OF ENVIRONMENTAL HEALTH  
 LAND AND WATER QUALITY DIVISION  
MONITORING WELL PROGRAM  
GEOTECHNICAL BORING CONSTRUCTION PERMIT**

SITE NAME: SDG&E PARCEL 7, 16, AND 17

SITE ADDRESS: UNDEVELOPED PROPERTY SOUTH END OF BLACKS BEACH ST &  
 ROCKY POINT DR, OCEANSIDE, CA 92056

PERMIT FOR: **6 GEOTECHNICAL BORINGS**

PERMIT APPROVAL DATE: APRIL 16, 2012

PERMIT EXPIRES ON: AUGUST 14, 2012

RESPONSIBLE PARTY: SAN DIEGO GAS & ELECTRIC CO.

**PERMIT CONDITIONS:**

1. All borings must be sealed from the bottom of the boring to the ground surface with an approved sealing material as specified in California Well Standards Bulletin 74-90, Part III, Section 19.D. **Drill cuttings are not an acceptable fill material.**
2. All borings must be properly destroyed within 24 hours of drilling.
3. Placement of any sealing material at a depth greater than 30 feet must be done using the tremie method.
4. This work is not connected to any known unauthorized release of hazardous substances. Any contamination found in the course of drilling and sampling must be reported to DEH. All water and soil resulting from the activities covered by this permit must be managed, stored and disposed of as specified in the SAM Manual in Section 5, II, E- 4. ([http://www.sdcountry.ca.gov/deh/lwq/sam/manual\\_guidelines.html](http://www.sdcountry.ca.gov/deh/lwq/sam/manual_guidelines.html)). In addition, drill cuttings must be properly handled and disposed in compliance with the Stormwater Best Management Practices of the local jurisdiction.
5. Within 60 days of completing work, submit a well/boring construction report, including all well and/or boring logs and laboratory data to the Well Permit Desk. This report must include all items required by the SAM Manual, Section 5, Pages 6 & 7.
6. **This office must be given 48-hour notice of any drilling activity on this site and advanced notification of drilling cancellation. Please contact the Well Permit Desk at (858) 505-6688.**

APPROVED BY: \_\_\_\_\_

VERONICA TAVIZON

DATE: 04/16/2012

*4/16/12 emailed drills & consultant*

*GEO TECH.  
72-HR EXPEDITED PROCESS*



**PERMIT APPLICATION  
GROUNDWATER  
AND VADOSE MONITORING WELLS  
AND EXPLORATORY OR TEST BORINGS**

<b>OFFICE USE ONLY</b>	
PERMIT LMON #	<u>108439</u>
SAM CASE Y/N #	_____
DATE RECEIVED:	<u>4-12-12</u>
FEE PAID:	<u>\$445.-</u>
CHECK #	<u>673503</u>

**A. RESPONSIBLE PARTY** San Diego Gas and Electric Co. E-mail \_\_\_\_\_

RMiller4@semprautilities.com

(The person, persons, or company responsible for the construction, maintenance, and destruction of the proposed borings and/or wells.)

Mailing Address 8316 Century Park Court, CP-52G City San Diego State CA Zip 92123-

Contact Person Rich Miller Phone 858.636.6815 Ext. \_\_\_\_\_ Fax \_\_\_\_\_

858.654.8635

**B. SITE ASSESSMENT PROJECT NUMBER – IF APPLICABLE #** \_\_\_\_\_

**C. CONSULTING FIRM** Kleinfelder

Mailing Address 5015 Shoreham Place City San Diego State CA Zip 92122-

Registered Professional Kevin Crennan Registration # \_\_\_\_\_ (RCE)

E-mail kcrenna@kleinfelder.com *+grindsteff@kleinfelder.com*

Contact Person Kevin Crennan *Trampus Grindsteff* Phone 8583202000 Ext. 2209 Fax \_\_\_\_\_

**D. DRILLING COMPANY** Scotts Drilling Service C57# 713741

Contact Name Scott Ball E-mail scottsdrilling@cox.net

Mailing Address 271 #D Roymar Rd City Oceanside State CA Zip 92054-

Phone 760.966.1613 Fax \_\_\_\_\_

**E. CONSTRUCTION INFORMATION**

TYPE OF WELLS/ BORINGS TO BE CONSTRUCTED	MATERIALS TO BE USED	PROPOSED CONSTRUCTION
<p>#</p> <p><input type="checkbox"/> Groundwater _____</p> <p><input type="checkbox"/> Vadose _____</p> <p><input checked="" type="checkbox"/> Boring <u>6</u></p> <p><input type="checkbox"/> Other _____</p> <p><b>NUMBER OF WELLS TO BE DESTROYED</b></p> <p><input type="checkbox"/> _____</p>	<p><b>CASING</b></p> <p><b>Not Applicable</b> <input checked="" type="checkbox"/></p> <p>Type _____</p> <p>Gauge _____</p> <p>Diameter _____</p> <p>Well Screen Size _____</p> <p>Filter Pack _____</p> <p><b>Drilling Method</b></p> <p><input checked="" type="checkbox"/> Auger</p> <p><input type="checkbox"/> Mud Rotary</p> <p><input type="checkbox"/> Percussion</p> <p><input type="checkbox"/> Neat Cement</p> <p><input type="checkbox"/> Cement &amp; Bentonite</p> <p><input type="checkbox"/> Sand-C ment</p> <p><input checked="" type="checkbox"/> Bentonite</p> <p><input type="checkbox"/> Other</p> <p>Borehole diameter <u>8 inch</u></p>	<p>Estimated groundwater depth: <u>100</u> ft.</p> <p>Estimated depth of boring <u>80</u> ft.</p> <p>Concrete surface seal <u>0</u> to <u>3</u></p> <p>Annular seal _____ to _____</p> <p>Bentonite transition seal <u>0</u> to <u>80</u></p> <p>Filter Pack _____ to _____</p> <p>Perforation _____ to _____</p> <p><b>NOTE:</b> Attach a well construction diagram for wells with multiple completions</p>

I agree to comply with the requirements of the current Site Assessment and Mitigation Manual, and with all ordinances and laws of the County of San Diego and the State of California pertaining to well/boring construction and destruction.

DRILLER'S SIGNATURE \_\_\_\_\_

DATE 04-12-12

Within 60 days of completion, I will furnish the Monitoring Well Permit Desk with a complete and accurate well/boring log. I will certify the design and construction or destruction of the well/borings in accordance with the permit application.

RG/RCE/CEG SIGNATURE \_\_\_\_\_

DATE 04/12/12

**F. SITE INFORMATION**

**1. ASSESSOR'S PARCEL NUMBER 1615121700**

Site Name SDG&E - Parcel 7

Site Address Pacific Coast Business Park

City Oceanside

Zip 92054-

PROPERTY OWNER AMBDFS Pacific Coast LLC

Phone \_\_\_\_\_

Ext. \_\_\_\_\_

Fax \_\_\_\_\_

Mailing Address 17777 Center Court Dr.

City Cerritos

State CA

Zip 90703

N., # 100

NUMBER OF WELLS 2

TYPE OF WELLS Borings Only

**2. ASSESSOR'S PARCEL NUMBER 1615122600**

Site Name SDG&E - Parcel 16

Site Address Pacific Coast Business Park

City Oceanside

Zip 92054-

PROPERTY OWNER AMBDFS Pacific Coast LLC

Phone \_\_\_\_\_

Ext. \_\_\_\_\_

Fax \_\_\_\_\_

Mailing Address 17777 Center Ct. Dr. N,

City Cerritos

State CA

Zip 90703

# 100

NUMBER OF WELLS 2-

TYPE OF WELLS Borings Only

**3. ASSESSOR'S PARCEL NUMBER 1615122700**

Site Name SDG&E - Parcel 17

Site Address Pacific Coast Business Park

City Oceanside

Zip 92054-

PROPERTY OWNER AMBDFS Pacific Coast LLC

Phone \_\_\_\_\_

Ext. \_\_\_\_\_

Fax \_\_\_\_\_

Mailing Address 17777 Center Ct Dr, N,

City Cerritos

State CA

Zip 90703

# 100

NUMBER OF WELLS 2-

TYPE OF WELLS Borings Only

**4. ASSESSOR'S PARCEL NUMBER \_\_\_\_\_**

Site Name \_\_\_\_\_

Site Address \_\_\_\_\_

City \_\_\_\_\_

Zip \_\_\_\_\_

**PROPERTY OWNER \_\_\_\_\_**

Phone \_\_\_\_\_

Mailing Address \_\_\_\_\_

Ext. \_\_\_\_\_

City \_\_\_\_\_

Fax \_\_\_\_\_

State \_\_\_\_\_

Zip \_\_\_\_\_

**NUMBER OF WELLS \_\_\_\_\_**

**TYPE OF WELLS \_\_\_\_\_**

**G. FEES (In effect beginning September 1, 2010, through June 30, 2011)**

ACTIVITY	FEE SCHEDULE	AMOUNT										
<b>Permit for Well Installations Only</b> (Groundwater Monitoring Wells, Vadose, Vapor Extraction Wells)	\$200.00 for the first monitoring well .....	<b>\$200.00</b>										
<b>Permit for Well Maintenance                      Inspection</b> (Valid for three years)	\$99.00 for first well maintenance inspection	<b>\$99.00</b>										
<b>Each Additional New Well</b>	\$161.00 for each additional well installation \$ 30.00 for each additional well maintenance inspection	<table style="width: 100%; border: none;"> <tr> <td style="width: 10%; text-align: right;">_____ x</td> <td style="width: 10%;"></td> <td style="width: 10%; text-align: right;"><b>\$161.00</b></td> <td style="width: 10%;"></td> <td style="width: 10%; text-align: right;">\$ _____</td> </tr> <tr> <td style="text-align: right;">_____ x</td> <td></td> <td style="text-align: right;"><b>\$ 30.00</b></td> <td></td> <td style="text-align: right;">\$ _____</td> </tr> </table>	_____ x		<b>\$161.00</b>		\$ _____	_____ x		<b>\$ 30.00</b>		\$ _____
_____ x		<b>\$161.00</b>		\$ _____								
_____ x		<b>\$ 30.00</b>		\$ _____								

<b>Permit for Borings Only</b> (CPT's, Hydropunch, Geoprobos, Temporary Well Points, etc.)	\$200.00 for the first boring .....	<u>1</u> x \$200.00	<u>\$200.00</u>
	\$ 49.00 for each additional boring .....	<u>5</u> x \$ 49.00	<u>\$245.00</u>
<b>Permit for Well Destructons Only</b>	\$200.00 for the first destruction .....	___ x \$200.00	\$ ___
	\$123.00 for each additional destruction ...	___ x \$123.00	\$ ___
<b>Permit for any Combination of Well Installations, Borings, &amp; Destructons (except UST backfill permit)</b>	The first activity will be \$200.00	___ x \$200.00	\$ ___
	<b>Additional activities will be as follows:</b>		
	\$161.00 for each additional well	___ x \$161.00	\$ ___
	\$99.00 for first well maintenance inspection	___ x \$ 99.00	\$ ___
	\$ 30.00 for each additional well maintenance inspection	___ x \$ 30.00	\$ ___
\$123.00 for each well destruction	___ x \$123.00	\$ ___	
\$ 49.00 for each additional boring	___ x \$ 49.00	\$ ___	
<b>Permit for Underground Storage Tank Monitoring System in Backfill</b> (i.e. Enhanced Leak Detection)	<b>\$320.00</b> (Flat Fee)		\$ ___
	<b>TOTAL COST OF PERMIT</b>		<b><u>\$445.00</u></b>

**H. QUESTIONNAIRE: Please answer all applicable questions completely. For well destructions, complete only #1 below and submit any required supportive documentation.**

1. If wells are to be destroyed, provide a description of method of destruction N/A
2. What is the purpose of the well/boring investigation?
- a. Part of an ongoing site assessment case in which a government regulator is the lead agency. If yes, indicate which government regulator is the lead agency and the case number.
- DEH                      RWQCB                      DTSC
- b. Part of a Phase I investigation for property ownership transfer or: \_\_\_\_\_
- c. Geotechnical investigation for proposed construction, land stabilization or:
- d. Other: \_\_\_\_\_
3. What procedures will be used to prevent the well/boring from providing an avenue to contamination during construction? Borings to be backfilled with bentonite and visually inspect drill for leaking fluid
4. What field procedures will be utilized to determine if contamination exists? Soil will be visually inspected for staining and smell will be noted
5. What procedures will be used to determine whether samples will be sent for laboratory testing or archiving? No samples will be sent for environmental laboratory testing
6. What constituents will be monitored and tested (Include EPA Laboratory Test Methods to be used)? NA
7. How will samples be transported and preserved? Geotechnical soil samples will be delivered by hand. No preservation needed.
8. What sampling methods will be used? Bulk, Cal and SPT samples
9. Are you proposing a variation from the methods and/or procedures presented in the requirements for the construction or destruction of Vadose and Groundwater Monitoring Wells (Current SAM Manual Requirements)? If yes, specify these variations and include a well construction diagram and all required supporting documentation. Refer to the SAM Manual Appendix B for monitoring well guidelines ([www.sdcdeh.org](http://www.sdcdeh.org)). Yes  No  \_\_\_\_\_
10. Are you proposing a variation in drilling and destruction of soil borings from the methods and/or procedures specified in the current SAM manual? If yes, specify these variations and include a destruction diagram. Yes  No  \_\_\_\_\_
11. What procedures will be used to ensure that the drilling equipment will introduce no contamination? Equipment decon prior to site mobilization. If contamination is encountered drilling will be stopped.
12. What methods will be used to clean sampling equipment? Sampling equipment will be cleaned prior to arrival to site.

13. What cleaning method will be used to clean casing and screen prior to installation? NA

14. A Property Owner Consent (POC) agreement is required for all applications, except for onsite, open LOP/SAM site assessment cases, Caltrans properties and military properties.



# County of San Diego

JACK MILLER  
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH  
LAND AND WATER QUALITY DIVISION  
P.O. BOX 129261, SAN DIEGO, CA 92112-9261  
phone: 858-506-8806/806-283-8833 FAX: 858-506-8805  
<http://www.sdcdelh.org>

ELIZABETH POZZEBON  
ASSISTANT DIRECTOR

## PROPERTY OWNER CONSENT

Proposed locations for subsurface work:

Property Address:

Assessor's Parcel Number (APN):

Pacific Coast Business Park

Parcel 7 = 161 51 2 1700

Parcel 7, 16 and 17, Oceanside, CA  
42054

Parcel 16 = 161 51 2 2600

Parcel 17 = 161 51 2 2700

I, \_\_\_\_\_, owner of the property/properties listed above, give my permission to

Kleinfelder, Inc. (consulting company, contractor) to conduct the following work at the locations stated above.

Install \_\_\_\_\_ monitoring wells

Destroy \_\_\_\_\_ monitoring wells

Drill 6 soil borings

I understand that Kevin Brennan (registered professional) of Kleinfelder, Inc. (consulting company) and an authorized signer for Pacific Drilling/Scotts (drilling company) have submitted a signed application to the Department of Environmental Health in which they have agreed to complete the above-stated work according to the requirements of the current SAM Manual, all ordinances and laws of the County of San Diego and the State of California pertaining to well/boring construction and destruction. I have arranged with the Responsible Party, the person who causes to have monitoring wells/borings installed or existing wells destroyed on this property, to ensure proper closure of the monitoring wells/borings.

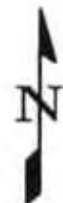
Property Owner Signature (REP) - [Signature] Date: 4/10/2012

Print Name: Scott Irwin Title: VICE PRESIDENT

Company: PROLOGUS (OWNER: AMS DFS PACIFIC COAST, L.L.C.)

Mailing Address: 1777 CENTER COURT DRIVE N, SUITE 600, CERRITOS, CA 90703





NOT TO SCALE



CHECKED BY: KC  
PROPOSAL NO. NA

FN: U:PROJECT/124202  
DATE: 04/2012

### SITE VICINITY MAP

PACIFIC COAST BUSINESS PARK  
SDG&E - PARCELS 7, 16 & 17  
OCEANSIDE, CALIFORNIA

PLATE

1




NOT TO SCALE



PROPOSED BORING LOCATION

B-6

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	PROPOSAL NO. 124202	<b>PROPOSED BORING LOCATION PLAN</b>	PLATE  <b>2</b>
	DRAWN: 04/2012		
	DRAWN BY: TG	PACIFIC COAST BUSINESS PARK SDG&E - PARCELS 7, 16 & 17 OCEANSIDE, CALIFORNIA	
	CHECK BY: KC		
FILE NAME: U:PROJECT FILES/124202			



108439

✓T.

# TRANSMITTAL

**To:** Ms. Veronica Tavizon  
Monitoring Well Permit Department  
County of San Diego  
Department of Environmental Health  
P.O. Box 129261  
San Diego, California 92112-9261

**Date:** November 16, 2012  
**Project No.** 124202  
**Project:** SDG&E Ocean Ranch Substation

**Subject:** 60-Day Report  
San Diego Gas & Electric  
Proposed Ocean Ranch Substation  
Pacific Coast Business Park – Parcels 7, 16 And 17  
Oceanside, California

**We are sending the following:**       **Attached**       **Under separate cover**

One hard copy of the above subject report.

**Via:**

- Messenger/Courier
- First Class Mail
- FedEx
- United Parcel
- DHL
- Lone Star Overnight
- Freight
- Other (hand delivered)

**Transmitted:**

- As Requested
- For Approval
- For Your Use
- For Review & Comment

**Remarks:** Any questions or comments, please contact Kevin Crennan or Eren Koprulu at 858-320-2000.

## RECEIVED

NOV 19 2012



November 16, 2012  
Project No. 124202

Ms. Veronica Tavizon  
Monitoring Well Permit Department  
County of San Diego  
Department of Environmental Health  
P.O. Box 129261  
San Diego, California 92112-9261

**Subject: 60-Day Report  
San Diego Gas & Electric  
Proposed Ocean Ranch Substation  
Pacific Coast Business Park - Parcels 7, 16 and 17  
Oceanside, California**

**APN: 161-512-17, -26, -27  
Permit No. LMON108439  
EST # NONE**

Dear Ms. Tavizon:

Kleinfelder West, Inc. (Kleinfelder), on behalf of San Diego Gas & Electric (SDG&E), conducted a geotechnical siting study of three potential sites for the proposed SDG&E Ocean Ranch Substation to be located in the Pacific Coast Business Park in Oceanside, California. The three potential sites included Parcels 7, 16 and 17.

Prior to our work at the site, Kleinfelder obtained permit number LMON-108439 from the County Department of Environmental Health for six geotechnical soil borings. A site vicinity map and a field exploration map showing the exploration locations are presented as Plates 1 and 2 respectively. Copies of the boring logs and a copy of the DEH boring permit have been enclosed for your reference in Appendix A and B, respectively. Please note the following information concerning our exploration:

1. Scott's Drilling performed the drilling of borings B-1 through B-6. Drilling was performed with a CME-55 truck mounted drill rig. Borings were drilled using an 8-inch outside diameter (OD) hollow stem augers (HSA). Groundwater was not encountered during drilling.
2. Kleinfelder observed the advancement and backfilling of all borings. After drilling, the borings were backfilled with bentonite grout using the tremie method. The total depth, annular material volume, drilling dates, backfill dates, and drilling company are shown in the table below:

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HEALTH



Boring	Total Depth (ft.)	Volume of Bentonite Grout Backfill (ft <sup>3</sup> )	Drilling Company	Date of Exploration	Date of Backfilling
B-1	66	23.0	Scott's Drilling	4/25/2012	4/25/2012
B-2	51	17.8	Scott's Drilling	4/25/2012	4/25/2012
B-3	71.5	24.9	Scott's Drilling	4/26/2012	4/27/2012
B-4	81	28.3	Scott's Drilling	4/24/2012	4/24/2012
B-5	71	24.8	Scott's Drilling	4/24/2012	4/25/2012
B-6	81	28.3	Scott's Drilling	4/26/2012	4/26/2012

3. The borings were drilled for in-situ soil sampling and visual soil classification purposes, and no environmental testing was performed on in-situ samples. Excess soil cuttings were stored in Department of Transportation (DOT) approved 55-gallon drums for disposal at a later date according to San Diego County SAM Manual guidelines.
4. Only soil samples were collected, no groundwater was sampled at the site. Soil samples were collected with an 18-inch long and 2.5-inch inside diameter (ID) split spoon sampler and with the 3-inch inside diameter (ID) California sampler lined with brass or stainless steel tubes.
5. No monitoring wells were installed or destroyed as part of our study.

Please contact the undersigned at (858) 320-2000 if you have any questions.

Sincerely,

**KLEINFELDER WEST, INC.**



Kevin Crennan, PE  
Project Manager II



Eren Koprulu  
Staff Engineer

KC:EK:lm

Attachments: Plate 1 – Site Vicinity Map  
Plate 2 – Field Exploration Map  
Appendix A – Boring Logs  
Appendix B – DEH permit

cc: Mr. Richard Miller




SOURCE: Esri WORLD IMAGERY



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	PROJECT NO: 124202	<b>SITE VICINITY MAP</b>	PLATE
	DRAWN: 05/31/12		<b>1</b>
	DRAWN BY: PD	SDG&E OCEAN RANCH SUBSTATION PACIFIC COAST BUSINESS PARK OCEANSIDE, CALIFORNIA	
	CHECKED BY: TG		

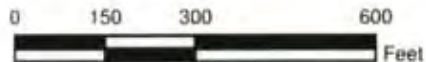


**LEGEND**

**B-1**  APPROXIMATE BORING LOCATION

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SOURCE: Esri WORLD IMAGERY



PROJECT NO: 124202  
 DRAWN: 11/13/2012  
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 FILE NAME:  
 124202\_PBH.mxd

**FIELD EXPLORATION MAP**

SDG&E OCEAN RANCH SUBSTATION  
 PACIFIC COAST BUSINESS PARK  
 OCEANSIDE, CALIFORNIA

PLATE

**2**



Date Begin - End: 4/25/12 Drill Company: Scott's Drilling  
 Logged By: E. Koprulu Drill Crew:  
 Hor.-Vert. Datum: NAD83 - NAD83 Drill Equipment: CME-55 Hammer Type - Drop: 140 lb. Automatic - 30"  
 Angle from Vert.: 0 degrees Exploration Method: Hollow Stem Auger  
 Weather: Overcast Auger Diameter: 8 inches

**BORING LOG B-1**

Approximate Elevation (feet) Depth (feet)	Graphical Log	FIELD EXPLORATION				LABORATORY RESULTS							Other Tests/ Remarks
		Latitude: 33.21237° N Longitude: 117.29526° W Approximate Surface Elevation (ft): 385.0 Surface Condition: Bare Earth and Grass	Sample Number	Sample Type	Blow Counts(BC)= Uncorr. blows/6 in	Recovery	USCS Symbol	Moisture Content (%)	Dry Density (pcf)	Passing No. 4 Sieve (%)	Passing #200 Sieve (%)	Liquid Limit (NV=No Value)	
	<b>Artificial Fill</b> Silty SAND (SM): fine to coarse grained, non-plastic fines, gray, moist	1											
	Clayey SAND (SC): fine to coarse grained, non-plastic fines, gray, moist, dense	2		BC=16 25 27			8.0	125					Expansion Index (54)
380	Silty SAND (SM): trace clay, fine to coarse grained, non-plastic fines, gray, moist, very dense	3		BC=18 26 36									
375	Non-plastic fines, gray, moist, medium dense	4		BC=10 10 15									
370	Non-plastic fines, gray, moist, very dense, decrease in Clay content, increase in Sand content, isolated chunks of Clay	5		BC=18 41 50			8.0	127					
365	Non-plastic fines, gray, moist, dense, becomes coarser grained Sand	6		BC=10 18 22									
360	Sandy CLAY (CL): fine to medium grained, low plasticity fines, light brown to light gray, moist, firm, intermixed chunks of firm to hard Clay	7		BC=10 18 26			16.0	115					
355	Low plasticity fines, light brown to light gray, moist, firm, 4-inch thick SM lense within sample	8		BC=10 17 22									

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 San Diego, CA 92122  
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 www.kleinfelder.com

PROJECT NO. 124202  
 DRAWN BY: EK  
 CHECKED BY: DH  
 DATE: 5/7/2012  
 REVISED:

**BORING LOG B-1**  
 SDG&E OCEAN RANCH SUBSTATION  
 PACIFIC COAST BUSINESS PARK  
 OCEANSIDE, CALIFORNIA

PLATE  
**A-1**  
 PAGE: 1 of 2

Date Begin - End: 4/25/12 Drill Company: Scott's Drilling  
 Logged By: E. Koprulu Drill Crew:  
 Hor.-Vert. Datum: NAD83 - NAD83 Drill Equipment: CME-55 Hammer Type - Drop: 140 lb. Automatic - 30"  
 Angle from Vert.: 0 degrees Exploration Method: Hollow Stem Auger  
 Weather: Overcast Auger Diameter: 8 inches


**BORING LOG B-1**

Approximate Elevation (feet) Depth (feet)	Graphical Log	FIELD EXPLORATION				LABORATORY RESULTS							Other Tests/ Remarks	
		Latitude: 33.21237° N Longitude: 117.29526° W Approximate Surface Elevation (ft): 385.0 Surface Condition: Bare Earth and Grass	Sample Number	Sample Type	Blow Counts(BC)= Uncor. blows/6 in	Recovery	USCS Symbol	Moisture Content (%)	Dry Density (pcf)	Passing No. 4 Sieve (%)	Passing #200 Sieve (%)	Liquid Limit (NV=No Value)		Plasticity Index (NP=No Plasticity)
345	40	Sandy Lean to Fat CLAY (CL-CH): fine grained, medium plasticity fines, dark brown to black, strong organic smell odor, moist, very hard, some rootlets	9		BC=22 50			6.0	122					
340	45	Sandy CLAY (CL): fine grained, low plasticity fines, light brown, moist, hard	10		BC=9 17 21									
340	45	Low plasticity fines, light brown to white, moist, very hard, caliche	11		BC=15 27 28									
335	50	Sandy Lean CLAY (CL): trace gravel, fine to coarse grained, low plasticity fines, gray, moist, hard	12		BC=9 13 17			32.0						
330	55	<u>Santiago Formation</u> Sandy CLAY (CL): fine to coarse grained, low plasticity fines, brown, moist, very hard	13		BC=10 22 37									
325	60													
320	65	Fine grained, low plasticity fines, grayish brown, moist, very hard, moderately cemented	14		BC=28 50/3"									

The boring was terminated at approximately 66 feet below ground surface. Boring was backfilled with bentonite on April 25, 2012.

**GROUNDWATER LEVEL INFORMATION:**  
Groundwater was not encountered during drilling.  
**GENERAL NOTES:**  
The boring location and elevation are approximate and were estimated by BHA, Inc.  
A Garmin etrex GPS unit was used to locate the boring with an accuracy of 5 to 10 feet.

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 <b>Bright People. Right Solutions.</b> 5015 Shoreham Place San Diego, CA 92122 PH. 858-320-2000 FAX. 858-320-2001 www.kleinfelder.com	PROJECT NO. 124202	<b>BORING LOG B-1</b>	PLATE  <b>A-2</b>
	DRAWN BY: EK CHECKED BY: DH DATE: 5/7/2012 REVISED:		
			PAGE: 2 of 2

Date Begin - End: 4/25/12 Drill Company: Scott's Drilling  
 Logged By: E. Koprulu Drill Crew:  
 Hor.-Vert. Datum: NAD83 - NAD83 Drill Equipment: CME-55  
 Angle from Vert.: 0 degrees Exploration Method: Hollow Stem Auger  
 Weather: Overcast Auger Diameter: 8 inches

**BORING LOG B-2**  
 Hammer Type - Drop: 140 lb. Automatic - 30"

Approximate Elevation (feet) Depth (feet)	Graphical Log	FIELD EXPLORATION				LABORATORY RESULTS							Other Tests/ Remarks
		Latitude: 33.21187° N Longitude: 117.29539° W Approximate Surface Elevation (ft): 386.0 Surface Condition: Bare Earth and Grass	Sample Number	Sample Type	Blow Counts(BC)≠ Uncorr. blows/ft in	Recovery	USCS Symbol	Moisture Content (%)	Dry Density (pcf)	Passing No. 4 Sieve (%)	Passing #200 Sieve (%)	Liquid Limit (NV=No Value)	
385	<b>Artificial Fill</b>												
5	Clayey SAND (SC): fine to coarse grained, non-plastic fines, gray, moist, predominantly coarse grained Sand												
380	Fine to coarse grained, non-plastic fines, moist, dense	1		BC=12 18 22			10.0	115					
10	Sandy CLAY (CL): fine grained, low plasticity fines, gray to dark gray, moist, very hard	2		BC=22 25 37			11.0	121					
375													
15													
370													
20	Clayey SAND (SC): fine to coarse grained, non-plastic fines, gray, moist, firm	3		BC=8 12 12									
365													
25													
360	Sandy CLAY (CL): fine to coarse grained, low plasticity fines, gray, moist, very hard	4		BC=9 22 50			9.0	124					
355													

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**BORING LOG B-2**  
 SDG&E OCEAN RANCH SUBSTATION  
 PACIFIC COAST BUSINESS PARK  
 OCEANSIDE, CALIFORNIA

PLATE  
**A-3**  
 PAGE: 1 of 2

Date Begin - End: 4/25/12 Drill Company: Scott's Drilling  
 Logged By: E. Koprulu Drill Crew:  
 Hor.-Vert. Datum: NAD83 - NAD83 Drill Equipment: CME-55 Hammer Type - Drop: 140 lb. Automatic - 30"  
 Angle from Vert.: 0 degrees Exploration Method: Hollow Stem Auger  
 Weather: Overcast Auger Diameter: 8 inches

**BORING LOG B-2**

Approximate Elevation (feet) Depth (feet)	Graphical Log	FIELD EXPLORATION				LABORATORY RESULTS							Other Tests/ Remarks	
		Latitude: 33.21187° N Longitude: 117.29539° W Approximate Surface Elevation (ft): 386.0 Surface Condition: Bare Earth and Grass	Sample Number	Sample Type	Blow Counts/BC <sub>25</sub> Uncorr. blows/ft	Recovery	USCS Symbol	Moisture Content (%)	Dry Density (pcf)	Passing No. 4 Sieve (%)	Passing #200 Sieve (%)	Liquid Limit (NV=No Value)		Plasticity Index (NP=No Plasticity)
350		Sandy CLAY (CL): fine to coarse grained, low plasticity fines, gray, moist, very hard (continued)												
40		<b>Santiago Formation</b>												
345		Sandy Lean CLAY (CL): fine grained, low plasticity fines, light brown, moist, very hard	5		BC=9 25 39			12.0						
45		Medium plasticity fines, grayish brown to gray, moist, very hard, fissured, iron-oxide staining	6		BC=14 27 38			14.0						
50		Medium plasticity fines, grayish brown, moist, very hard	7		BC=23 50									
55	<p>The boring was terminated at approximately 51 feet below ground surface. Boring was backfilled with bentonite on April 25, 2012.</p> <p><b>GROUNDWATER LEVEL INFORMATION:</b> Groundwater was not encountered during drilling.</p> <p><b>GENERAL NOTES:</b> The boring location and elevation are approximate and were estimated by BHA, Inc. A Garmin eTrex GPS unit was used to locate the boring with an accuracy of 5 to 10 feet.</p>													

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 CHECKED BY: DH  
 DATE: 5/7/2012  
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**BORING LOG B-2**

SDG&E OCEAN RANCH SUBSTATION  
 PACIFIC COAST BUSINESS PARK  
 OCEANSIDE, CALIFORNIA

PLATE  
**A-4**  
PAGE: 2 of 2

Date Begin - End: 4/26/12 - 4/27/12 Drill Company: Scott's Drilling **BORING LOG B-3**  
 Logged By: E. Koprulu Drill Crew: \_\_\_\_\_  
 Hor.-Vert. Datum: NAD83 - NAD83 Drill Equipment: CME-55 Hammer Type - Drop: 140 lb. Automatic - 30"  
 Angle from Vert.: 0 degrees Exploration Method: Hollow Stem Auger  
 Weather: Sunny Auger Diameter: 8 inches

Approximate Elevation (feet)	Depth (feet)	Graphical Log	FIELD EXPLORATION				LABORATORY RESULTS							Other Tests/Remarks
			Latitude: 33.21081° N Longitude: 117.29389° W Approximate Surface Elevation (ft): 367.0 Surface Condition: Bare Earth and Grass	Sample Number	Sample Type	Blow Counts/BC= Uncorr. blows/ft in	Recovery	USCS Symbol	Moisture Content (%)	Dry Density (pcf)	Passing No. 4 Sieve (%)	Passing #200 Sieve (%)	Liquid Limit (NV=No Value)	
365	5	Artificial Fill Clayey SAND (SC): fine to coarse grained, non-plastic fines, gray, moist												
360	10	Sandy CLAY (CL): fine to medium grained, medium plasticity fines, gray to brown, moist, very hard	1		BC=17 32 44									
355	15	Fine to coarse grained, low plasticity fines, gray, moist, very hard	2		BC=13 27 40									
350	20	Fine to medium grained, medium plasticity fines, grayish brown, moist, very hard, decrease in grain size	3		BC=20 30 50/5*									
345	25													
340	30													
335														

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PROJECT NO. 124202  
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 CHECKED BY: DH  
 DATE: 5/7/2012  
 REVISED:

**BORING LOG B-3**

SDG&E OCEAN RANCH SUBSTATION  
 PACIFIC COAST BUSINESS PARK  
 OCEANSIDE, CALIFORNIA

PLATE  
**A-5**

PAGE: 1 of 3

Date Begin - End: 4/26/12 - 4/27/12      Drill Company: Scott's Drilling      **BORING LOG B-3**  
 Logged By: E. Koprulu      Drill Crew: \_\_\_\_\_  
 Hor.-Vert. Datum: NAD83 - NAD83      Drill Equipment: CME-55      Hammer Type - Drop: 140 lb. Automatic - 30"  
 Angle from Vert.: 0 degrees      Exploration Method: Hollow Stem Auger  
 Weather: Sunny      Auger Diameter: 8 inches

Approximate Elevation (feet) Depth (feet)	Graphical Log	FIELD EXPLORATION				LABORATORY RESULTS							Other Tests/ Remarks	
		Latitude: 33.21081° N Longitude: 117.29389° W Approximate Surface Elevation (ft): 387.0 Surface Condition: Bare Earth and Grass	Sample Number	Sample Type	Blow Counts(BC)= Uncorr. blows/6 in	Recovery	USCS Symbol	Moisture Content (%)	Dry Density (pcf)	Passing No.4 Sieve (%)	Passing #200 Sieve (%)	Liquid Limit (NV=No Value)		Plasticity Index (NP=No Plasticity)
330		Sandy CLAY (CL): fine to medium grained, medium plasticity fines, gray to brown, moist, very hard (continued)												
40 325		Fine to coarse grained, low plasticity fines, moist, very hard, intermixed color from light gray - dark brown to reddish brown, some scattered sand lenses	4		BC=13 18 24									
45 320		Fine to medium grained, medium plasticity fines, moist, very hard, intermixed color from light gray to reddish brown, some brown lenses of sand	5		BC=21 25 35									
50 315														
55 310														
60 305		<b>Santiago Formation</b> Sandy CLAY (CL): fine grained, medium plasticity fines, gray, moist, very hard												
65 300														

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PROJECT NO. 124202  
 DRAWN BY: EK  
 CHECKED BY: DH  
 DATE: 5/7/2012  
 REVISED:

**BORING LOG B-3**  
 SDG&E OCEAN RANCH SUBSTATION  
 PACIFIC COAST BUSINESS PARK  
 OCEANSIDE, CALIFORNIA


PLATE  
**A-6**  
 PAGE: 2 of 3

Date Begin - End: 4/26/12 - 4/27/12      Drill Company: Scott's Drilling      **BORING LOG B-3**  
 Logged By: E. Koprulu      Drill Crew:  
 Hor.-Vert. Datum: NAD83 - NAD83      Drill Equipment: CME-55      Hammer Type - Drop: 140 lb. Automatic - 30"  
 Angle from Vert.: 0 degrees      Exploration Method: Hollow Stem Auger  
 Weather: Sunny      Auger Diameter: 8 inches

Approximate Elevation (feet) Depth (feet)	Graphical Log	FIELD EXPLORATION				LABORATORY RESULTS								Other Tests/Remarks
		Latitude: 33.21081° N Longitude: 117.29389° W Approximate Surface Elevation (ft): 367.0 Surface Condition: Bare Earth and Grass	Sample Number	Sample Type	Blow Counts(BC)≠ Uncor. blows/ft in	Recovery	USCS Symbol	Moisture Content (%)	Dry Density (pcf)	Passing No.4 Sieve (%)	Passing #200 Sieve (%)	Liquid Limit (NV=No Value)	Plasticity Index (NP=No Plasticity)	
-295		<b>Santiago Formation (continued)</b> <b>Sandy CLAY (CL):</b> fine grained, medium plasticity fines, gray, moist, very hard, iron-oxide staining	6		BC=28 45 50/4"									
75		The boring was terminated at approximately 71.5 feet below ground surface. The Boring was backfilled with bentonite on April 27, 2012.												
-290														
80														
-285														
85														
-280														
90														
-275														
95														
-270														
100														
-265														

**GROUNDWATER LEVEL INFORMATION:**  
 Groundwater was not encountered during drilling.  
**GENERAL NOTES:**  
 The boring location and elevation are approximate and were estimated by BHA, Inc.  
 A Garmin etrex GPS unit was used to locate the boring with an accuracy of 5 to 10 feet.

GINT FILE: L:\gint\projects\2012\124202\_sdge Ocean Ranch.gpj C:\KLF\_STANDARD\_GINT\_LIBRARY\_BETA.GLB [KLF\_BORING/TEST PIT LOG]


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	DRAWN BY: EK CHECKED BY: DH DATE: 5/7/2012 REVISED:		<b>SDG&amp;E OCEAN RANCH SUBSTATION          PACIFIC COAST BUSINESS PARK          OCEANSIDE, CALIFORNIA</b>
		PAGE: 3 of 3	

Date Begin - End: 4/24/12 Drill Company: Scott's Drilling  
 Logged By: E. Koprulu Drill Crew:  
 Hor.-Vert. Datum: NAD83 - NAD83 Drill Equipment: CME-55 Hammer Type - Drop: 140 lb. Automatic - 30"  
 Angle from Vert.: 0 degrees Exploration Method: Hollow Stem Auger  
 Weather: Sunny Auger Diameter: 8 inches

**BORING LOG B-4**

Approximate Elevation (feet)	Depth (feet)	Graphical Log	FIELD EXPLORATION				LABORATORY RESULTS							Other Tests/Remarks	
			Latitude: 33.21102° N Longitude: 117.29288° W Approximate Surface Elevation (ft): 374.0 Surface Condition: Bare Earth and Grass	Sample Number	Sample Type	Blow Counts(BC) = Uncorr. blows/ft in	Recovery	USCS Symbol	Moisture Content (%)	Dry Density (pcf)	Passing No. 4 Sieve (%)	Passing #200 Sieve (%)	Liquid Limit (NV=No Value)		Plasticity Index (NP=No Plasticity)
		<b>Artificial Fill</b> Silty SAND (SM): fine to coarse grained, non-plastic fines, gray, moist, dense		1											
		Trace Clay		2		BC=9 20 28									
	5	Increase in Clay content		3		BC=14 26 40									
		<b>Clayey SAND (SC):</b> fine to coarse grained, non-plastic fines, dark gray, moist, dense		4		BC=12 31 42									
	10	Fine to coarse grained, low plasticity fines, dark gray, moist, very dense, some lenses of dark brown Lean Clay		5		BC=18 32 42									
	15	<b>Sandy CLAY (CL):</b> fine to medium grained, low plasticity fines, moist, very hard, intermixed color from light gray to light tan, some lenses of dark brown Lean Clay		6		BC=18 35 50/5.5"									
	20	Fine grained, medium plasticity fines, light yellowish brown to light gray, moist, very hard, increase in clay content, decrease in sand content, lenses of Sand		7		BC=16 35 42									
	25	Fine to coarse grained, low plasticity fines, gray to brown, trace organic smell odor, moist, very hard, lenses of Sand throughout, dark brown to black lenses of old Top Soil		8		BC=12 31 48									
	30	Fine grained, medium plasticity fines, gray to dark brown, trace organic smell odor, moist, very hard, black lenses of old Top Soil													

GINT FILE: U:\gint\projects\2012\1124-2012\_sdge Ocean Ranch.gpj C:\KLF\_STANDARD\_GINT\_LIBRARY\_BETA\_GLB (KLF\_BORING\TEST PIT LOG)

 <p><b>KLEINFELDER</b> Bright People. Right Solutions. 5015 Shoreham Place San Diego, CA 92122 PH. 858-320-2000 FAX. 858-320-2001</p>	PROJECT NO. 124202	<b>BORING LOG B-4</b>	PLATE
	DRAWN BY: EK CHECKED BY: DH DATE: 5/7/2012 REVISED:		<b>A-8</b>  SDG&E OCEAN RANCH SUBSTATION PACIFIC COAST BUSINESS PARK OCEANSIDE, CALIFORNIA



Date Begin - End: 4/24/12 Drill Company: Scott's Drilling **BORING LOG B-4**  
 Logged By: E. Koprulu Drill Crew: \_\_\_\_\_  
 Hor.-Vert. Datum: NAD83 - NAD83 Drill Equipment: CME-55 Hammer Type - Drop: 140 lb. Automatic - 30"  
 Angle from Vert.: 0 degrees Exploration Method: Hollow Stem Auger  
 Weather: Sunny Auger Diameter: 8 inches

Approximate Elevation (feet) Depth (feet)	Graphical Log	FIELD EXPLORATION				LABORATORY RESULTS								Other Tests/ Remarks
		Latitude: 33.21102° N Longitude: 117.29288° W Approximate Surface Elevation (ft): 374.0 Surface Condition: Bare Earth and Grass	Sample Number	Sample Type	Blow Counts(BC)= Uncorr. blows/6 in	Recovery	USCS Symbol	Moisture Content (%)	Dry Density (pcf)	Passing No. 4 Sieve (%)	Passing #200 Sieve (%)	Liquid Limit (NV=No Value)	Plasticity Index (NP=No Plasticity)	
335		Silty SAND (SM): fine grained, non-plastic fines, gray, moist, very dense	9		BC=20 40 50/5*									
40		Clayey SAND (SC): fine grained, low plasticity fines, white to light brown, moist, very dense, caliche	10		BC=17 42 50									
330		45	Sandy CLAY (CL): fine grained, medium plasticity fines, dark gray to black, moist, very hard	11		BC=19 38 50								
325		50	Fine grained, low plasticity fines, dark gray, moist, very hard, increase in Sand content, reddish brown and gray sand lenses	12		BC=15 29 46								
320		55	Fine to medium grained, low plasticity fines, gray, moist, hard, black colored CL-CH at shoe of sampler	13		BC=12 26 28								
315		60	Lean to Fat CLAY (CL-CH): fine grained, medium plasticity fines, dark gray to black, moist, hard	14		BC=16 22 34								
310		65	Fine grained, medium plasticity fines, dark gray to black, moist, very hard, increase in sand content	15		BC=19 30 40								
305														

GINT FILE: U:\gint\projects\2012\124\2012\_sdge Ocean Ranch.gpj C:\KLF\_STANDARD\_GINT\_LIBRARY\_BETA.GLB (KLF\_BORING\TEST PIT LOG)

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 www.kleinfelder.com PH. 858-320-2000 FAX. 858-320-2001

PROJECT NO. 124202  
 DRAWN BY: EK  
 CHECKED BY: DH  
 DATE: 5/7/2012  
 REVISED:

**BORING LOG B-4**

SDG&E OCEAN RANCH SUBSTATION  
 PACIFIC COAST BUSINESS PARK  
 OCEANSIDE, CALIFORNIA

PLATE  
**A-9**

PAGE: 2 of 3

Date Begin - End: 4/24/12      Drill Company: Scott's Drilling  
 Logged By: E. Koprulu      Drill Crew:  
 Hor.-Vert. Datum: NAD83 - NAD83      Drill Equipment: CME-55      Hammer Type - Drop: 140 lb. Automatic - 30"  
 Angle from Vert.: 0 degrees      Exploration Method: Hollow Stem Auger  
 Weather: Sunny      Auger Diameter: 8 inches

**BORING LOG B-4**

Approximate Elevation (feet) Depth (feet)	Graphical Log	FIELD EXPLORATION					LABORATORY RESULTS							Other Tests/ Remarks
		Latitude: 33.21102° N Longitude: 117.29288° W Approximate Surface Elevation (ft): 374.0 Surface Condition: Bare Earth and Grass	Sample Number	Sample Type	Blow Counts(BC)≠ Uncorr. blows/ft in	Recovery	USCS Symbol	Moisture Content (%)	Dry Density (pcf)	Passing No. 4 Sieve (%)	Passing #200 Sieve (%)	Liquid Limit (NV=No Value)	Plasticity Index (NP=No Plasticity)	
300		Alluvium Fat CLAY (CH): fine grained, high plasticity fines, black, moist, very hard (continued)	16		BC=15 32 40									
75		Fine grained, high plasticity fines, black, moist, very hard	17		BC=18 37 50									CONSOL
295		Santiago Formation Sandy CLAY (CL): fine to medium grained, low plasticity fines, gray, moist, very hard	18		BC=39 50/4"									
80	The boring was terminated at approximately 81 feet below ground surface. Boring was backfilled with bentonite on April 24, 2012.		<p><b>GROUNDWATER LEVEL INFORMATION:</b> Groundwater was not encountered during drilling.</p> <p><b>GENERAL NOTES:</b> The boring location and elevation are approximate and were estimated by BHA, Inc. A Garmin etrex GPS unit was used to locate the boring with an accuracy of 5 to 10 feet.</p>											
290														
85														
285														
90														
280														
85														
275														
100														
270														

GINT FILE: U:\gint\projects\2012\124202\_5dge Ocean Ranch.gip C:\KLF\_STANDARD\_GINT\_LIBRARY\_BETA.GLB (KLF\_BORING/TEST PIT LOG)



PROJECT NO. 124202  
 DRAWN BY: EK  
 CHECKED BY: DH  
 DATE: 5/7/2012  
 REVISED:

**BORING LOG B-4**

SDG&E OCEAN RANCH SUBSTATION  
 PACIFIC COAST BUSINESS PARK  
 OCEANSIDE, CALIFORNIA

PLATE  
**A-10**  
 PAGE: 3 of 3

Date Begin - End: 4/24/12 - 4/25/12 Drill Company: Scott's Drilling **BORING LOG B-5**  
 Logged By: E. Koprulu Drill Crew: \_\_\_\_\_  
 Hor.-Vert. Datum: NAD83 - NAD83 Drill Equipment: CME-55 Hammer Type - Drop: 140 lb. Automatic - 30"  
 Angle from Vert.: 0 degrees Exploration Method: Hollow Stem Auger  
 Weather: Sunny Auger Diameter: 8 inches

Approximate Elevation (feet) Depth (feet)	Graphical Log	FIELD EXPLORATION				LABORATORY RESULTS								Other Tests/ Remarks
		Latitude: 33.21074° N Longitude: 117.29347° W Approximate Surface Elevation (ft): 372.0 Surface Condition: Bare Earth and Grass	Sample Number	Sample Type	Blow Counts(BC)= Uncorr. blows/ft	Recovery	USCS Symbol	Moisture Content (%)	Dry Density (pcf)	Passing No. 4 Sieve (%)	Passing #200 Sieve (%)	Liquid Limit (NV=No Value)	Plasticity Index (NP=No Plasticity)	
370		<b>Artificial Fill</b> Silty SAND (SM): fine to coarse grained, non-plastic fines, gray, moist, dense												
5		Fine to coarse grained, non-plastic fines, gray, moist, dense, increase in grain size	1		BC=15 24 29									
365		<b>Clayey SAND (SC):</b> fine to coarse grained, non-plastic fines, gray to dark gray, moist, very dense	2		BC=18 28 38									
360														
15		<b>Sandy CLAY (CL):</b> fine grained, low plasticity fines, light brown to light gray, moist, firm	3		BC=10 12 13									
350														
25														
345														
30			4		BC=6 11 13									
340														

GINT FILE: U:\gint\projects\2012\124202\_sage Ocean Ranch.gip C:\KLF\_STANDARD\_GINT\_LIBRARY\_BETA\_GLB (KLF\_BORING\TEST PIT LOG)



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www.kleinfelder.com

PROJECT NO. 124202  
DRAWN BY: EK  
CHECKED BY: DH  
DATE: 5/7/2012  
REVISED:

**BORING LOG B-5**

SDG&E OCEAN RANCH SUBSTATION  
PACIFIC COAST BUSINESS PARK  
OCEANSIDE, CALIFORNIA

PLATE  
**A-11**  
PAGE: 1 of 3

Date Begin - End: 4/24/12 - 4/25/12      Drill Company: Scott's Drilling      **BORING LOG B-5**  
 Logged By: E. Koprulu      Drill Crew: \_\_\_\_\_  
 Hor.-Vert. Datum: NAD83 - NAD83      Drill Equipment: CME-55      Hammer Type - Drop: 140 lb. Automatic - 30"  
 Angle from Vert.: 0 degrees      Exploration Method: Hollow Stem Auger  
 Weather: Sunny      Auger Diameter: 8 inches

Approximate Elevation (feet) Depth (feet)	Graphical Log	FIELD EXPLORATION				LABORATORY RESULTS								Other Tests/Remarks
		Latitude: 33.21074° N Longitude: 117.29347° W Approximate Surface Elevation (ft): 372.0 Surface Condition: Bare Earth and Grass	Sample Number	Sample Type	Blow Counts(BC) <sup>#</sup> Uncomp. blow/s in	Recovery	USCS Symbol	Moisture Content (%)	Dry Density (pcf)	Passing No.4 Sieve (%)	Passing #200 Sieve (%)	Liquid Limit (NV=No Value)	Plasticity Index (NP=No Plasticity)	
335		40	5	BC=10 15 21										
330														
325														
320														
315		50	6	BC=23 19 15										
310		60	7	BC=8 13 15										
305		65												

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PROJECT NO. 124202  
 DRAWN BY: EK  
 CHECKED BY: DH  
 DATE: 5/7/2012  
 REVISED:

**BORING LOG B-5**  
 SDG&E OCEAN RANCH SUBSTATION  
 PACIFIC COAST BUSINESS PARK  
 OCEANSIDE, CALIFORNIA

PLATE  
**A-12**  
 PAGE: 2 of 3

Date Begin - End: 4/24/12 - 4/25/12      Drill Company: Scott's Drilling      **BORING LOG B-5**  
 Logged By: E. Koprulu      Drill Crew: \_\_\_\_\_  
 Hor.-Vert. Datum: NAD83 - NAD83      Drill Equipment: CME-55      Hammer Type - Drop: 140 lb. Automatic - 30"  
 Angle from Vert.: 0 degrees      Exploration Method: Hollow Stem Auger  
 Weather: Sunny      Auger Diameter: 8 inches

Approximate Elevation (feet) Depth (feet)	Graphical Log	FIELD EXPLORATION					LABORATORY RESULTS							Other Tests/ Remarks
		Latitude: 33.21074° N Longitude: 117.29347° W Approximate Surface Elevation (ft): 372.0 Surface Condition: Bare Earth and Grass	Sample Number	Sample Type	Blow Counts(B/C) = Uncorr. blows/ft in	Recovery	USCS Symbol	Moisture Content (%)	Dry Density (pcf)	Passing No. 4 Sieve (%)	Passing #200 Sieve (%)	Liquid Limit (NV=No Value)	Plasticity Index (NP=No Plasticity)	
300		<b>Santiago Formation</b> Sandy CLAY (CL): fine grained, medium plasticity fines, gray, moist, very hard, strongly cemented	8	BC=15 50/3*										
75		The boring was terminated at approximately 71 feet below ground surface. The Boring was backfilled with bentonite on April 25, 2012.												
295														
80														
290														
85														
285														
90														
280														
95														
275														
100														
270														

**GROUNDWATER LEVEL INFORMATION:**  
 Groundwater was not encountered during drilling.  
**GENERAL NOTES:**  
 The boring location and elevation are approximate and were estimated by BHA, Inc.  
 A Garmin etrex GPS unit was used to locate the boring with an accuracy of 5 to 10 feet.

GINT FILE: U:\gint\projects\2011\24202\_500e Ocean Ranch.gpi C:\KLF\_STANDARD\_GINT\_LIBRARY\_BETA\_GLB [KLF\_BORING/TEST PIT LOG]



PROJECT NO. 124202  
 DRAWN BY: EK  
 CHECKED BY: OH  
 DATE: 5/7/2012  
 REVISED:

**BORING LOG B-5**  
 SDG&E OCEAN RANCH SUBSTATION  
 PACIFIC COAST BUSINESS PARK  
 OCEANSIDE, CALIFORNIA

PLATE  
**A-13**  
 PAGE: 3 of 3

**Date Begin - End:** 4/26/12      **Drill Company:** Scott's Drilling  
**Logged By:** E. Koprulu      **Drill Crew:**  
**Hor.-Vert. Datum:** NAD83 - NAD83      **Drill Equipment:** CME-55      **Hammer Type - Drop:** 140 lb. Automatic - 30"  
**Angle from Vert.:** 0 degrees      **Exploration Method:** Hollow Stem Auger  
**Weather:** Sunny      **Auger Diameter:** 8 inches

**BORING LOG B-6**

Approximate Elevation (feet) Depth (feet)	Graphical Log	FIELD EXPLORATION				LABORATORY RESULTS								Other Tests/ Remarks
		Latitude: 33.21047° N Longitude: 117.29423° W Approximate Surface Elevation (ft): 366.0 Surface Condition: Bare Earth and Grass	Sample Number	Sample Type	Blow Counts(BC) = Uncorr. blows/6 in	Recovery	USCS Symbol	Moisture Content (%)	Dry Density (pcf)	Passing No. 4 Sieve (%)	Passing #200 Sieve (%)	Liquid Limit (NV=No Value)	Plasticity Index (NP=No Plasticity)	
365		<b>Artificial Fill</b> Clayey SAND (SC): fine to coarse grained, non-plastic fines, gray, moist, dense												
5		Fine to coarse grained, non-plastic fines, gray, moist, very dense	1		BC=16 24 42									
10		Coarse grained, non-plastic fines, gray, moist, very dense, decrease in fines content, predominantly coarse grained sand	2		BC=16 37 45									
15		Coarse grained, non-plastic fines, gray, moist, very dense	3		BC=16 25 39									
20		<b>Sandy CLAY (CL):</b> fine to coarse grained, low plasticity fines, grayish brown, moist, very hard	4		BC=20 30 38									
25	Fine grained, low plasticity fines, light brown, moist, very hard, gray colored Sand lenses throughout	5		BC=23 47 50										
30														
335														

GINT FILE: U:\gint\projects\2012\124202\_sops Ocean Ranch.gpi C:\KLF\_STANDARD\_GINT\_LIBRARY\_BETA\_GLB [KLF\_BORING\TEST PIT LOG]

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PROJECT NO. 124202  
 DRAWN BY: EK  
 CHECKED BY: DH  
 DATE: 5/7/2012  
 REVISED:

**BORING LOG B-6**  
 SDG&E OCEAN RANCH SUBSTATION  
 PACIFIC COAST BUSINESS PARK  
 OCEANSIDE, CALIFORNIA

PLATE  
**A-14**  
 PAGE: 1 of 3

**Date Begin - End:** 4/26/12      **Drill Company:** Scott's Drilling      **BORING LOG B-6**  
**Logged By:** E. Koprulu      **Drill Crew:** \_\_\_\_\_  
**Hor.-Vert. Datum:** NAD83 - NAD83      **Drill Equipment:** CME-55      **Hammer Type - Drop:** 140 lb. Automatic - 30"  
**Angle from Vert.:** 0 degrees      **Exploration Method:** Hollow Stem Auger  
**Weather:** Sunny      **Auger Diameter:** 8 inches

Approximate Elevation (feet) Depth (feet)	Graphical Log	FIELD EXPLORATION				LABORATORY RESULTS							Other Tests/Remarks	
		Latitude: 33.21047° N Longitude: 117.29423° W Approximate Surface Elevation (ft): 366.0 Surface Condition: Bare Earth and Grass	Sample Number	Sample Type	Blow Counts(BC) <sup>1/2</sup> Uncorr. blows/6 in	Recovery	USCS Symbol	Moisture Content (%)	Dry Density (pcf)	Passing No. 4 Sieve (%)	Passing #200 Sieve (%)	Liquid Limit (NV=No Value)		Plasticity Index (NP=No Plasticity)
330		Sandy <b>CLAY (CL)</b> : fine to coarse grained, low plasticity fines, grayish brown, moist, very hard (continued)												
325		Fine grained, low plasticity fines, light brown to white, moist, very hard, abundant caliche	6		BC=8 15 19									
		Pieces of debris (metal pieces) observed in soil cuttings												
320		Fat <b>CLAY (CH)</b> : high plasticity fines, dark brown to black, trace organic odor, moist, hard, some reddish brown to gray colored Sand lenses, some rootlets	7		BC=8 11 18									
315		Sandy <b>CLAY (CL)</b> : fine grained, medium plasticity fines, grayish brown, moist, hard	8		BC=13 25 35									
310		Soil cuttings indicate black colored Clay with strong organic smell from approximately 50 to 58 feet												
305		Fine grained, low plasticity fines, grayish brown, moist, very hard	9		BC=17 18 28									
300		Becomes firm to hard	10		BC=6 10 14									
		<b>Alluvium</b> Fat <b>CLAY (CH)</b> : trace fine grained, high plasticity fines, black, organic smell odor, moist, firm to hard												

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**PROJECT NO.** 124202  
**DRAWN BY:** EK  
**CHECKED BY:** DH  
**DATE:** 5/7/2012  
**REVISED:**

**BORING LOG B-6**  
  
 SDG&E OCEAN RANCH SUBSTATION  
 PACIFIC COAST BUSINESS PARK  
 OCEANSIDE, CALIFORNIA

**PLATE**  
  
**A-15**  
  
**PAGE:** 2 of 3

**Date Begin - End:** 4/26/12      **Drill Company:** Scott's Drilling      **BORING LOG B-6**  
**Logged By:** E. Koprulu      **Drill Crew:** \_\_\_\_\_  
**Hor.-Vert. Datum:** NAD83 - NAD83      **Drill Equipment:** CME-55      **Hammer Type - Drop:** 140 lb. Automatic - 30"  
**Angle from Vert.:** 0 degrees      **Exploration Method:** Hollow Stem Auger  
**Weather:** Sunny      **Auger Diameter:** 8 inches

Approximate Elevation (feet) Depth (feet)	Graphical Log	FIELD EXPLORATION				LABORATORY RESULTS								Other Tests/ Remarks
		Latitude: 33.21047° N Longitude: 117.29423° W Approximate Surface Elevation (ft): 366.0 Surface Condition: Bare Earth and Grass	Sample Number	Sample Type	Blow Counts(BC)= Uncorr. blows/ft	Recovery	USCS Symbol	Moisture Content (%)	Dry Density (pcf)	Passing No. 4 Sieve (%)	Passing #200 Sieve (%)	Liquid Limit (NV=No Value)	Plasticity Index (NP=No Plasticity)	
295	Alluvium	Fat CLAY (CH): trace fine grained, high plasticity fines, black, organic smell odor, moist, firm to hard (continued)												
290	Sandy CLAY (CL): fine grained, medium plasticity fines, brown, moist, very hard	11		BC=16 24 31									CONSOL	
285	Santlago Formation	Sandy CLAY (CL): fine grained, low plasticity fines, gray, moist, very hard, iron-oxide staining												
280	The boring was terminated at approximately 81 feet below ground surface. Boring was backfilled with bentonite on April 26, 2012.											<b>GROUNDWATER LEVEL INFORMATION:</b> Groundwater was not encountered during drilling. <b>GENERAL NOTES:</b> The boring location and elevation are approximate and were estimated by BHA, Inc. A Garmin etrex GPS unit was used to locate the boring with an accuracy of 5 to 10 feet.		
275														
270														
265														

GINT FILE: U:\gint\projects\2012\124202\_s00e Ocean Ranch.gpi C:\KLF\_STANDARD\_GINT\_LIBRARY\_BETA\_GLB (KLF\_BORING\TEST PIT LOG)



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**PROJECT NO.** 124202  
**DRAWN BY:** EK  
**CHECKED BY:** DH  
**DATE:** 5/7/2012  
**REVISED:**

**BORING LOG B-6**  
  
 SDG&E OCEAN RANCH SUBSTATION  
 PACIFIC COAST BUSINESS PARK  
 OCEANSIDE, CALIFORNIA

**PLATE**  
  
**A-16**  
  
**PAGE:** 3 of 3





# County of San Diego

JACK MILLER  
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH  
LAND AND WATER QUALITY DIVISION  
P.O. BOX 129261, SAN DIEGO, CA 92112-9261  
858-505-6700/FAX (858) 505-6891/1-800-253-9933  
www.sdcdeh.org

ELIZABETH POZZEBON  
ASSISTANT DIRECTOR

## OFFICIAL NOTICE

**November 8, 2012**

**KEVIN CRENNAN  
KLEINFELDER & ASSOCIATES (SD)  
1320 COLUMBIA STE 310  
SAN DIEGO, CA 92101**

**FIRST PAST DUE NOTICE -- PERMIT: LMON-108439  
APPROVED: April 16, 2012 -- EXPIRED: August 14, 2012  
UNDEVELOPED PROPERTY: SOUTH ENDS OF BLACKS BEACH ST & ROCKY POINT DR,  
OCEANSIDE, CA 92056**

The Department of Environmental Health (DEH), Monitoring Well Program (MWP) has not received the required 60-day report for work completed under this permit.

Failure to submit the 60-day drilling report is a violation of the San Diego County Code, Section 67.447 and can result in a complaint being filed with the appropriate State Board. In addition, the San Diego County Code Section 67.441 states that permits may be denied if the applicant is delinquent with submitting 60-day drilling reports to the MWP.

Submit the 60-day report to the Well Permit Desk to the address shown above by **November 26, 2012**. If the report is not submitted, you will receive a notice to attend an Administrative Conference. Please contact the Well Permit Desk at (858) 505-6688 if you wish to discuss this letter.

Thank you for your cooperation.

Sincerely,

**Marisue Crystal, Environmental Health Technician  
Monitoring Well Program  
Site Assessment and Mitigation Program**

cc: **RICH MILLER, SAN DIEGO GAS & ELECTRIC  
SCOTT'S DRILLING SERVICE**



PERMIT # LMWP-001635  
A.P.N. # 161-512-26, 161-  
512-27  
EST # NONE

**COUNTY OF SAN DIEGO  
DEPARTMENT OF ENVIRONMENTAL HEALTH  
LAND AND WATER QUALITY DIVISION  
MONITORING WELL PROGRAM  
GEOTECHNICAL BORING CONSTRUCTION PERMIT**

SITE NAME: FUTURE SDG&E OCEAN RANCH SUBSTATION

SITE ADDRESS: SOUTH OF 1340 ROCKY POINT DR., OCEANSIDE, CA 92056

PERMIT FOR: **6 GEOTECHNICAL BORINGS**

PERMIT APPROVAL DATE: APRIL 13, 2015

PERMIT EXPIRES ON: AUGUST 11, 2015

RESPONSIBLE PARTY: SAN DIEGO GAS & ELECTRIC /JEFF SYKES

---

**PERMIT CONDITIONS:**

1. All borings must be sealed from the bottom of the boring to the ground surface with an approved sealing material as specified in California Well Standards Bulletin 74-90, Part III, Section 19.D. **Drill cuttings are not an acceptable fill material.**
2. All borings must be properly destroyed within 24 hours of drilling.
3. Placement of any sealing material at a depth greater than 30 feet must be done using the tremie method.
4. This work is not connected to any known unauthorized release of hazardous substances. Any contamination found in the course of drilling and sampling must be reported to DEH. All water and soil resulting from the activities covered by this permit must be managed, stored and disposed of as specified in the SAM Manual in Section 5, II, D-4. ([http://www.sdcountry.ca.gov/deh/lwq/sam/manual\\_guidelines.html](http://www.sdcountry.ca.gov/deh/lwq/sam/manual_guidelines.html)) In addition, drill cuttings must be properly handled and disposed in compliance with the Stormwater Best Management Practices of the local jurisdiction.
5. Within 60 days of completing work, submit a well/boring construction report, including all well and/or boring logs and laboratory data to the Well Permit Desk. This report must include all items required by the SAM Manual, Section 5, Pages 6 & 7.
6. **This office must be given 48-hour notice of any drilling activity on this site and advanced notification of drilling cancellation. Please contact the Well Permit Desk at (858) 505-6688.**

APPROVED BY: \_\_\_\_\_ DATE: 04/13/2015  
VERONICA TAVIZON



**PERMIT APPLICATION  
GROUNDWATER  
AND VADOSE MONITORING WELLS  
AND EXPLORATORY OR TEST BORINGS**

<b>OFFICE USE ONLY</b>	
PERMIT LMWP#	<u>001635</u>
SAM CASE Y/N #	<u>NONE</u>
DATE RECEIVED:	<u>04/09/2015</u>
FEE PAID:	<u>\$445.00</u>
CHECK #	<u>ONLINE</u>

**A. RESPONSIBLE PARTY** San Diego Gas & Electric E-mail  
JSykes@semprautilities  
 (The person, persons, or company responsible for the construction, maintenance, and destruction of the proposed borings and/or wells.)  
 Mailing Address PO Bos 129831 City San Diego State CA Zip 92112  
 Contact Person Jeff Sykes Phone 8586541235 Ext. \_\_\_\_\_

**B. SITE ASSESSMENT PROJECT NUMBER – IF APPLICABLE #** \_\_\_\_\_

**C. CONSULTING FIRM** Kleinfelder  
 Mailing Address 550 West C Street City San Diego State CA Zip 92101  
 Registered Professional Kevin Crennan Phone 6198314600 Registration # 54045(RCE)  
 E-mail kcrennan@Kleinfelder.com  
 Contact Person Trampus Grindstaff Phone 6198314600 Ext 4589 Email  
tgrindstaff@Kleinfelder.com

**D. DRILLING COMPANY** Pacific Drilling C57#681380  
 Contact Name Tod Clark E-mail tod@pacdrill.com  
 Mailing Address 5220 Ana Avenue, Suite A City San Diego State CA Zip 92110  
 Phone 619.294.3682 Ext. \_\_\_\_\_

**E. CONSTRUCTION INFORMATION**

TYPE OF WELLS/ BORINGS TO BE CONSTRUCTED	MATERIALS TO BE USED	PROPOSED CONSTRUCTION
<input type="checkbox"/> Groundwater _____ # <input type="checkbox"/> Vadose _____ <input checked="" type="checkbox"/> Boring <u>6</u> <input type="checkbox"/> Other _____  <b>NUMBER OF WELLS TO BE DESTROYED</b> <input type="checkbox"/> Destruction _____	<b>CASING</b> <b>Not Applicable X</b> Type _____ Gauge _____ Diameter _____ Screen Size _____ Filter Pack _____  <b>SEAL/BORING BACKFILL</b> <input type="checkbox"/> Neat Cement <input type="checkbox"/> Cement & Bentonite <input type="checkbox"/> Sand-Cement <input checked="" type="checkbox"/> Bentonite <input type="checkbox"/> Other Borehole diameter <u>6"</u>  <b>Drilling Method</b> <input checked="" type="checkbox"/> Auger <input type="checkbox"/> Direct Push <input type="checkbox"/> Other _____ <input type="checkbox"/> Air Rotary <input type="checkbox"/> Sonic <input type="checkbox"/> Percussion	Estimated Groundwater Depth: <u>100</u> ft. Estimated Depth of Boring: <u>80</u> ft. Concrete Seal: <u>0</u> to <u>3</u> Annular Seal: _____ to _____ Filter Pack: _____ to _____ Perforation: _____ to _____  <b>NOTE: Attach a well construction diagram</b>

I agree to comply with the requirements of the current Site Assessment and Mitigation Manual, and with all ordinances and laws of the County of San Diego and the State of California pertaining to well/boring construction and destruction.

DRILLER'S SIGNATURE  DATE 4-9-15

Within 60 days of completion, I will furnish the Monitoring Well Permit Desk (858) 505-6688 with a complete well/boring log. I will certify the design and construction or destruction of the well/borings in accordance with the permit application.

PG/RCE/CEG SIGNATURE Kevin Ceraso DATE 4/9/15

**F. SITE INFORMATION - A Property Owner Consent agreement is required for all applications, except for onsite, open LOP/SAM site assessment cases, Caltrans properties and military properties. Submit a separate sheet for additional parcels.**

**1. ASSESSOR'S PARCEL NUMBER** 1615122600 & 1615122700

Site Name Parcels 16&17 - Future SDG&E Ocean Ranch Substation

Site Address SOUTH of 1340 Rocky Point Drive City Oceanside  
Zip 92056

**PROPERTY OWNER** San Diego Gas & Electric

Phone 8586541235 Ext. \_\_\_\_\_ Fax \_\_\_\_\_

Mailing Address PO Box 129831 City San Diego State CA Zip 92112

**NUMBER OF WELLS** 6 **TYPE OF WELLS** N/A - Geotech Borings Only

**2. ASSESSOR'S PARCEL NUMBER** \_\_\_\_\_

Site Address \_\_\_\_\_ City \_\_\_\_\_ Zip \_\_\_\_\_

**PROPERTY OWNER** \_\_\_\_\_

Phone \_\_\_\_\_ Ext. \_\_\_\_\_ Fax \_\_\_\_\_

Mailing Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

**NUMBER OF WELLS** \_\_\_\_\_ **TYPE OF WELLS** \_\_\_\_\_

**G. QUESTIONNAIRE: Please answer all applicable questions completely and submit any required supportive documentation.**

1. What is the purpose of the well/boring investigation?

a. Part of an ongoing site assessment case in which a government regulator is the lead agency. If yes, indicate which government regulator is the lead agency and the case number.

DEH RWQCB DTSC

b. Part of a Phase I investigation for property ownership transfer.

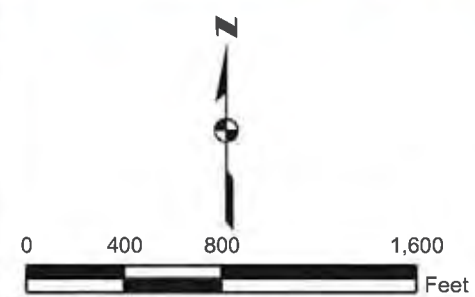
c. Geotechnical investigation for proposed construction or land stabilization.

d. Other: \_\_\_\_\_

2. If wells are to be destroyed, provide a description of method of destruction N/A


3. Are you proposing a variation from current SAM Manual Requirements for the construction or destruction of borings, Vadose and/or Groundwater Monitoring Wells? If yes, specify these variations and include a well construction diagram and all required supporting documentation. Refer to the SAM Manual Appendix B for monitoring well guidelines ([www.sdcdeh.org](http://www.sdcdeh.org)). Yes  No

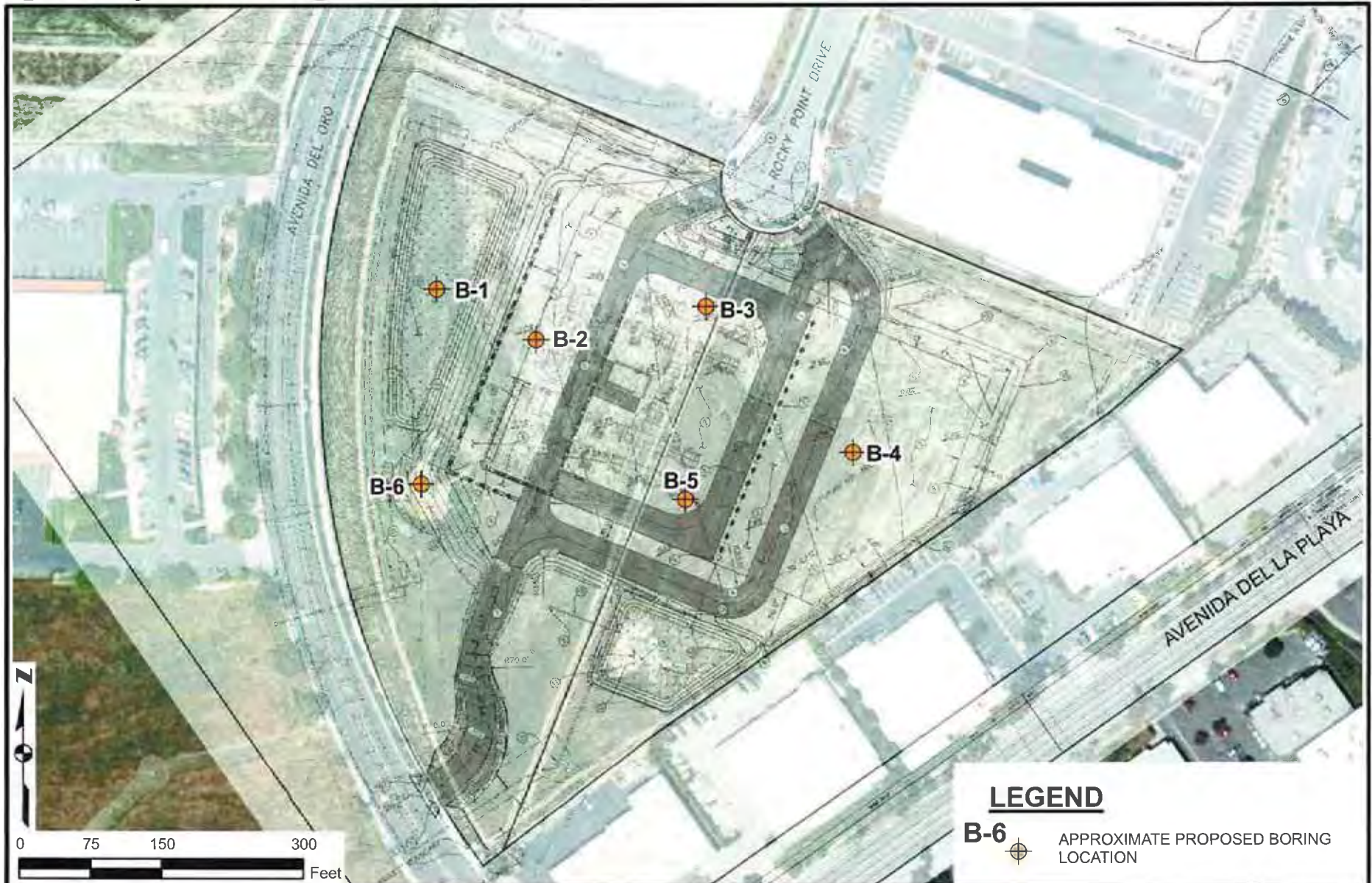
<b>H. FEES</b>		
<b>ACTIVITY</b>	<b>FEE SCHEDULE</b>	<b>AMOUNT</b>
<b>Permit for Well Installations Only</b> (Groundwater Monitoring Wells, Vadose, Vapor Extraction Wells)	\$200.00 for the first monitoring well	<b>\$200.00</b>
	<b>Each Additional New Well</b> \$161.00 for each additional well installation	____ x <b>\$161.00</b>
	<b>New Well Inspection</b> \$99.00 for first new well inspection \$30.00 for each additional new well inspection	____ x <b>\$ 30.00</b>
<b>Permit for Borings Only</b> (CPT's, Hydropunch, Geoprobos, Temporary Well Points, etc.)	\$200.00 for the first boring	<u>1x</u> <b>\$200.00</b> <u><b>200</b></u>
	\$49.00 for each additional boring	<u>5x</u> <b>\$ 49.00</b> <u><b>245</b></u>
<b>Permit for Well Destructions Only</b>	\$200.00 for the first destruction	____ x <b>\$200.00</b> _____
	\$123.00 for each additional destruction	____ x <b>\$123.00</b> _____
<b>Permit for any Combination of Well Installations, Borings, &amp; Destructions</b> ( <i>Except Enhanced Leak Detection</i> )	\$200.00 for the first activity	____ x <b>\$200.00</b> _____
	\$161.00 for each additional well	____ x <b>\$161.00</b> _____
	\$99.00 for first well maintenance inspection	____ x <b>\$ 99.00</b> _____
	\$ 30.00 for each additional well maintenance inspection	____ x <b>\$ 30.00</b> _____
	\$123.00 for each well destruction	____ x <b>\$123.00</b> _____
	\$ 49.00 for each additional boring	____ x <b>\$ 49.00</b> _____
<b>Permit for Enhanced Leak Detection</b>	<b>\$320.00 (Flat Fee)</b>	<b>\$ _____</b>
	<b>TOTAL COST OF PERMIT</b>	<b>\$ <u>445.00</u></b>



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	PROJECT NO. 124202	<b>SITE VICINITY MAP</b>  SDG&E OCEAN RANCH SUBSTATION PACIFIC COAST BUSINESS PARK OCEANSIDE, CALIFORNIA	FIGURE  <b>1</b>
	DRAWN: 05/31/12		
	DRAWN BY: JP		
	CHECKED BY: TG		
	FILE NAME: 124202_Vicinity.mxd		



**LEGEND**

**B-6**  APPROXIMATE PROPOSED BORING LOCATION

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

The information included on this graphic representation has been compiled from a variety of sources and is subject to change without notice. Kleinfelder makes no representations or warranties, express or implied, as to accuracy, completeness, timeliness, or rights to the use of such information. This document is not intended for use as a land survey product nor is it designed or intended as a construction design document. The use or misuse of the information contained on this graphic representation is at the sole risk of the party using or misusing the information.



**KLEINFELDER**  
Bright People. Right Solutions.  
www.kleinfelder.com

PROJECT NO:	124202
DRAWN:	4/9/2015
DRAWN BY:	JP
CHECKED BY:	TG
FILE NAME:	124202_Bor.mxd

<b>PROPOSED BORING LOCATION MAP</b>
OCEAN RANCH SDG&E OCEANSIDE, CALIFORNIA

FIGURE
<b>2</b>



# County of San Diego

JACK MILLER  
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH  
LAND AND WATER QUALITY DIVISION  
P.O. BOX 129261, SAN DIEGO, CA 92112-9261  
(858)505-6688  
www.sdcdeh.org

ELIZABETH POZZEBON  
ASSISTANT DIRECTOR

## PROPERTY OWNER CONSENT

Proposed locations for subsurface work:

Property Address:

Assessor's Parcel Number (APN):

Proposed SDG&E Ocean Ranch Substation, SOUTH OF 1340 Rocky Point Drive, Oceanside, California  
APN: 1615122600 & 1615122700

I, San Diego Gas & Electric, owner of the property/properties listed above, give my permission to Kleinfelder, Inc. (consulting company, contractor) to conduct the following work at the locations stated above.

Install \_\_\_\_\_ monitoring wells       Destroy \_\_\_\_\_ monitoring wells       Drill 6 soil borings

I understand that Kevin Crennan, PE, GE (registered professional) of Kleinfelder, Inc. (consulting company) and an authorized signer for Pacific Drilling (drilling company) have submitted a signed application to the Department of Environmental Health in which they have agreed to complete the above-stated work according the requirements of the current SAM Manual, all ordinances and laws of the County of San Diego and the State of California pertaining to well/boring construction and destruction. I have arranged with the Responsible Party, the person who causes to have monitoring wells/borings installed or existing wells destroyed on this property, to ensure proper closure of the monitoring wells/borings.

Property Owner Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Print Name: Jeff Sykes

Title: Land Services Supervisor

Company: San Diego Gas & Electric

Mailing Address: \_\_\_\_\_

Attn: SD 1170. PO Box 129831. San Diego, CA 92112-9985



## **Appendix C**

Notice of receipt of Freedom of Information ACT  
from the United States Environmental Protection Agency – Region IX

**From:** r9foia@epa.gov  
**Sent:** Wednesday, August 05, 2015 4:31 PM  
**To:** shannon@environmentalsupportservices.com  
**Subject:** FOIA Request EPA-R9-2015-009633 Submitted

This message is to confirm your request submission to the FOIAonline application: [View Request](#). Request information is as follows:

- Tracking Number: EPA-R9-2015-009633
- Requester Name: Shannon Castagno
- Date Submitted: 08/05/2015
- Request Status: Submitted
- Description: Rocky Point Drive  
APN's 161-512-26 & 161-512-27  
Oceanside, CA 92056

Looking for the following information for the site above:

1. utilization, manufacture, storage, or discharge of hazardous materials/waste.
2. previous or on-going site investigations/remediations pertaining to hazardous materials/waste.
3. hazardous materials disclosures concerning the site.
4. information regarding underground and aboveground storage tank present or previously found at the site.

## **Appendix D**

Request for Records Search to the  
Department of Toxic Substances Control - Cypress Office and  
Response from that Agency



# *Environmental Support Services*

Environmental Research & Due Diligence Compliance

30251 Golden Lantern, #E-305, Laguna Niguel, CA 92677

**Tel) 949-429-3564 • Fax) 949-429-3563**

[www.EnvironmentalSupportServices.com](http://www.EnvironmentalSupportServices.com) • [Info@EnvironmentalSupportServices.com](mailto:Info@EnvironmentalSupportServices.com)

---

August 5, 2015

Dept of Toxic Substances Control  
Cypress Office  
5796 Corporate Avenue  
Cypress, CA 90630

Attention: Julie Johnson/Jone Barrio

Dear Julie/Jone,

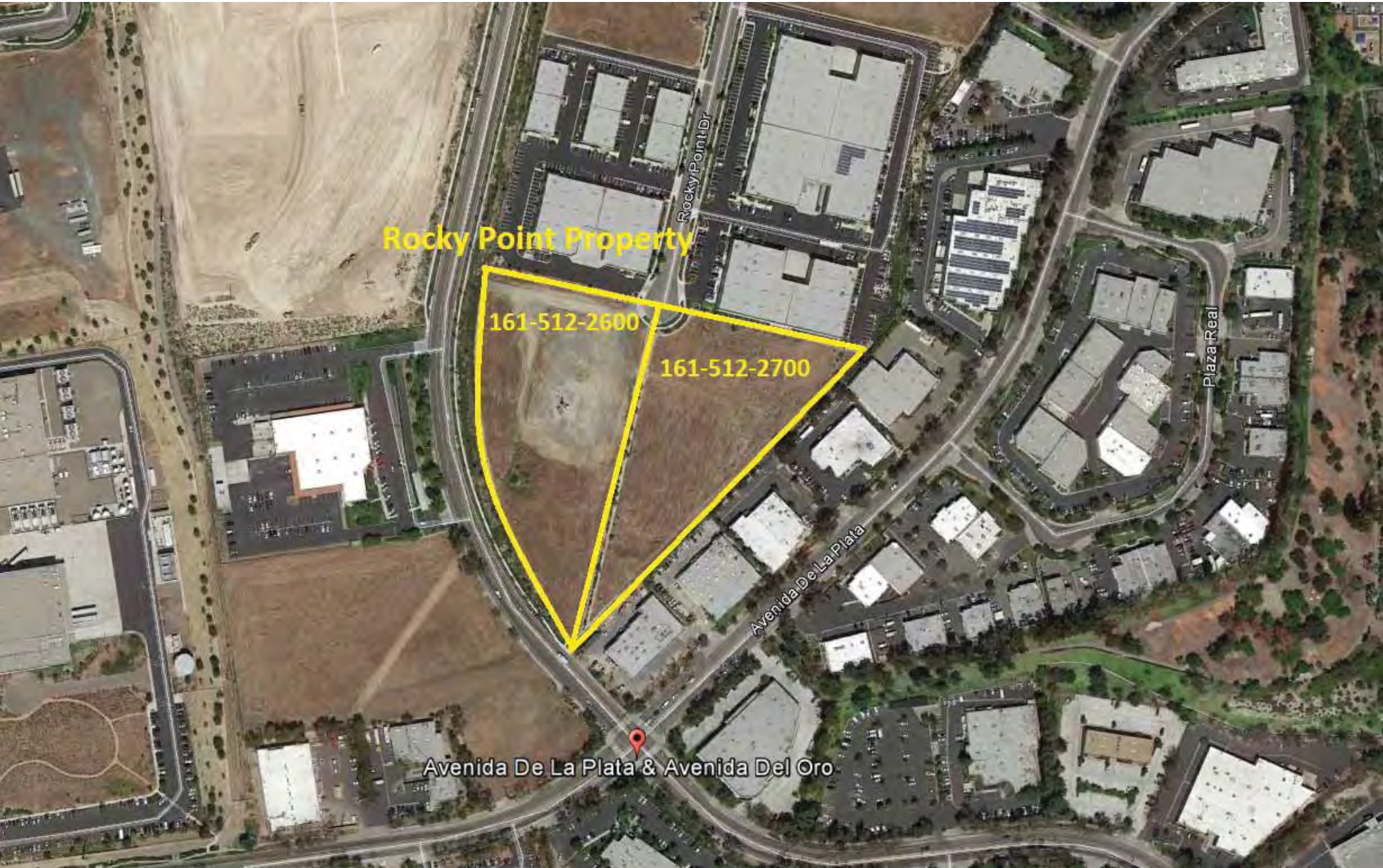
Please check for any files/information on the following site:

Site: Rocky Point Drive  
APN 161-512-26 & 161-512-27  
Oceanside, CA 92056  
(See Attached Map)

Sincerely,  
**Environmental Support Services**

Shannon Castagno  
Project Manager

[Shannon@EnvironmentalSupportServices.com](mailto:Shannon@EnvironmentalSupportServices.com)



Rocky Point Property

161-512-2600

161-512-2700

Avenida De La Plata & Avenida Del Oro

Rocky Point Dr

Avenida De La Plata

Plaza Real

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*Matthew Rodriguez*  
Secretary for  
Environmental Protection



## Department of Toxic Substances Control

Barbara A. Lee, Director  
5796 Corporate Avenue  
Cypress, California 90630



*Edmund G. Brown Jr.*  
Governor

August 12, 2015

Ms. Shannon Castagno  
Environmental Support Services  
30251 Golden Lantern, #E-305  
Laguna Niguel, CA 92677

ROCKY POINT DRIVE, OCEANSIDE, CA 92056  
(APN: 161-512-26 & 161-512-27)  
PR4-080715-01

Dear Ms. Castagno:

We have received your Public Records Act Request for records from the Department of Toxic Substances Control.

After a thorough review of our files we have found that no such records exist at this office pertaining to the site/facility reference above.

We would like to inform you about EnviroStor, a database that provides information and documents on over 5,000 DTSC cleanup sites. EnviroStor can be accessed at: <http://www.envirostor.dtsc.ca.gov/public>. Also, a computer is available in the Central Files of each DTSC Regional Office for use by community members to view EnviroStor.

If you have any questions or would like further information regarding your request, please contact our Regional Records Coordinator at: (714) 484-5336.

Sincerely,

*Jone Barrio*

Regional Records Coordinator  
Cypress Administrative Services

brm

## **Appendix E**

Request for Records Search to the  
Department of Toxic Substances Control - Chatsworth Office





# *Environmental Support Services*

Environmental Research & Due Diligence Compliance

30251 Golden Lantern, #E-305, Laguna Niguel, CA 92677

**Tel) 949-429-3564 • Fax) 949-429-3563**

[www.EnvironmentalSupportServices.com](http://www.EnvironmentalSupportServices.com) • [Info@EnvironmentalSupportServices.com](mailto:Info@EnvironmentalSupportServices.com)

---

August 5, 2015

Dept of Toxic Substances Control  
Chatsworth Office  
9211 Oakdale Avenue  
Chatsworth, CA

Attention: Vivien/File Room

Dear Vivien,

Please check for any files/information on the following site:

Site: Rocky Point Drive  
APN 161-512-26 & 161-512-27  
Oceanside, CA 92056  
(See Attached Map)

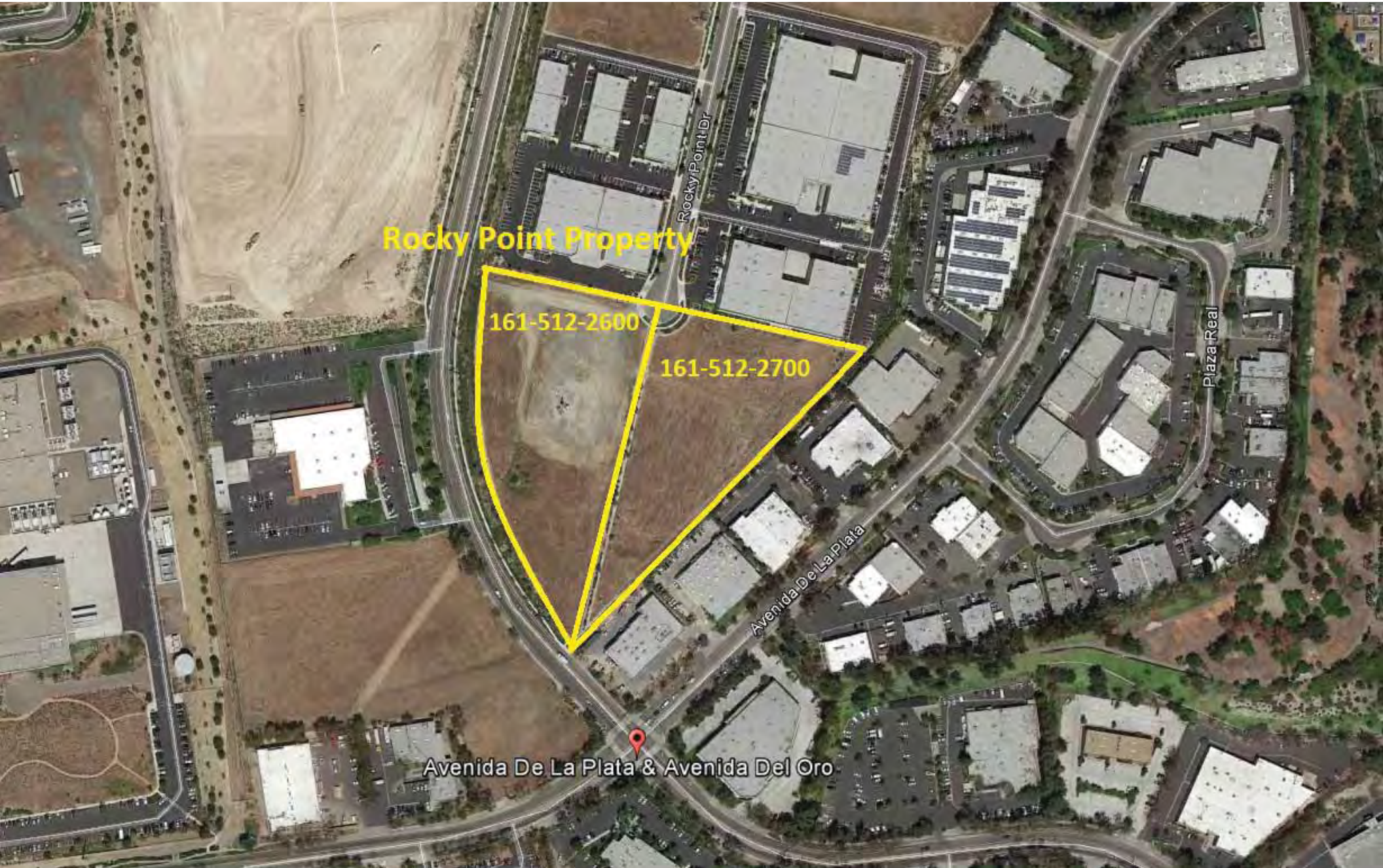
Sincerely,  
**Environmental Support Services**

*Shannon Castagno*

Shannon Castagno  
Project Manager

[Shannon@EnvironmentalSupportServices.com](mailto:Shannon@EnvironmentalSupportServices.com)

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Rocky Point Property

161-512-2600

161-512-2700

Rocky Point Dr

Avenida De La Plata

Plaza Real

Avenida De La Plata & Avenida Del Oro

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## **Appendix F**

Request for Records Search to the  
Regional Water Quality Control Board – San Diego Region and  
Photocopies Obtained from that Agency



# *Environmental Support Services*

Environmental Research & Due Diligence Compliance

30251 Golden Lantern, #E-305, Laguna Niguel, CA 92677

**Tel) 949-429-3564 • Fax) 949-429-3563**

[www.EnvironmentalSupportServices.com](http://www.EnvironmentalSupportServices.com) • [Info@EnvironmentalSupportServices.com](mailto:Info@EnvironmentalSupportServices.com)

---

August 5, 2015

Regional Water Quality Control Board  
San Diego Region  
9174 Sky Park Court, Ste 100  
San Diego, CA 92123

Attention: LUST/WIP/SLIC/Site Mitigation Divisions

Dear Public Records Request,

Please check for any files/information on the following sites:

Site: Rocky Point Drive  
Oceanside, CA 92056  
APN 161-512-26 & 161-512-27  
(See Attached Map)

I would like to set up an appointment to review this file **as soon as possible**. Anything you can do to expedite this request would be greatly appreciated. Please call me at (949) 429-3564. Thanks!

Sincerely,  
**Environmental Support Services**

*Shannon Castagno*

Shannon Castagno  
Project Manager

[Shannon@EnvironmentalSupportServices.com](mailto:Shannon@EnvironmentalSupportServices.com)



Rocky Point Property

161-512-2600

161-512-2700

Avenida De La Plata & Avenida Del Oro

Rocky Point Dr

Avenida De La Plata

Plaza Real

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**From:** Lima, Lucas@Waterboards [Lucas.Lima@Waterboards.ca.gov] on behalf of RB9\_Records, WB@Waterboards [WB.RB9\_Records@waterboards.ca.gov]  
**Sent:** Thursday, August 06, 2015 9:56 AM  
**To:** Shannon Castagno  
**Subject:** RE: Public Records Request  
**Attachments:** 3-11-2008 56442 NOI - PACIFIC COAST MEDICAL CENTER - WDID 9 37C351134 3-24-2008.pdf; 6-28-2010 109342 NOT WDID NO. 9 37C351134 6-29-2010.PDF

Good morning Shannon,

Attached please find the only records found for Rocky Point Drive, Oceanside, CA. The records attached may not be located exactly in the area that you are interested. I did a general search for Rocky Point Drive.

Since APN's are identification numbers used by the County, you may check with them to get records related to these APN's that you provided.

Sincerely,

Lucas Lima | Public Records Coordinator  
San Diego Regional Water Quality Control Board  
2375 Northside Drive, Suite 100  
San Diego, CA 92108  
(619) 521-3377



---

**From:** Shannon Castagno [<mailto:Shannon@EnvironmentalSupportServices.com>]  
**Sent:** Wednesday, August 05, 2015 4:12 PM  
**To:** RB9\_Records, WB@Waterboards  
**Subject:** Public Records Request



## *Environmental Support Services*

Environmental Research & Due Diligence Compliance

30251 Golden Lantern, #E-305, Laguna Niguel, CA 92677

**Tel) 949-429-3564 • Fax) 949-429-3563**

[www.EnvironmentalSupportServices.com](http://www.EnvironmentalSupportServices.com) • [Info@EnvironmentalSupportServices.com](mailto:Info@EnvironmentalSupportServices.com)

August 5, 2015

Regional Water Quality Control Board  
San Diego Region  
9174 Sky Park Court, Ste 100  
San Diego, CA 92123

Attention: LUST/WIP/SLIC/Site Mitigation Divisions

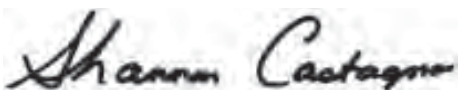
Dear Public Records Request,

Please check for any files/information on the following sites:

Site: Rocky Point Drive  
Oceanside, CA 92056  
APN 161-512-26 & 161-512-27  
(See Attached Map)

I would like to set up an appointment to review this file **as soon as possible**. Anything you can do to expedite this request would be greatly appreciated. Please call me at (949) 429-3564. Thanks!

Sincerely,  
**Environmental Support Services**



Shannon Castagno

Project Manager

[Shannon@EnvironmentalSupportServices.com](mailto:Shannon@EnvironmentalSupportServices.com)

# BUCCOLA ENGINEERING, INC.

3142 Vista Way, Suite 301  
Oceanside, CA 92056  
Phone: 760/721-2000 Fax: 760/721-2046

SAN DIEGO REGIONAL  
WATER QUALITY  
CONTROL BOARD

2010 JUN 29 P 4: 38

## Transmittal

JOB NUMBER: 208-41	DATE: 6/28/2010
TO:	FROM: Larry Rutherford
COMPANY: <b>CRWQCB SAN DIEGO REGION (9)</b>	SUBJECT: <b>Pacific Coast Medical Center NOT of coverage General Const. Permit 99-08 DWQ WDID NO. 9 37C351134</b>
ADDRESS: 9174 Sky Park Court, Ste. 100	
CITY/STATE: San Diego, CA 92123-4340	VIA: Reg Mail - Return Receipt

YOUR REQUEST    FOR REVIEW    PLEASE COMMENT    YOUR FILES    YOUR ACTION

### NO. OF COPIES/DESCRIPTION:

1	Signed and executed original for Notice of Termination to <b>WDID 9 37C321134</b>
1	Site Location Maps and USGS Map
6 ea	Site Photos (6)

### NOTES/COMMENTS:

NOT submitted on behave of Pacific Coast Partners, LP

SEND TO YOUR LOCAL RWQCB FOR APPROVAL

State of California  
State Water Resources Control Board

NOTICE OF TERMINATION

OF COVERAGE UNDER THE NPDES GENERAL PERMIT NO. CAS000002  
FOR DISCHARGES OF STORM WATER  
ASSOCIATED WITH CONSTRUCTION ACTIVITY

Submission of this Notice of Termination constitutes notice that the owner (and his/her agent) of the site identified on this form is no longer authorized to discharge storm water associated with construction activity by NPDES General Permit No. CAS000002.

I. WDID NO. 9 37C351134

II. OWNER

COMPANY NAME Pacific Coast Partners, LP CONTACT PERSON Larry Woodward  
STREET ADDRESS 9820 Willow Creek Rd. Suite 400 TITLE Partner  
CITY Oceanside STATE CA ZIP 92008 PHONE (858) 271-7050

III. CONSTRUCTION SITE INFORMATION

A. DEVELOPER NAME Pacific Coast Partners, LP CONTACT PERSON Larry Woodward  
STREET ADDRESS Rocky Pt Dr & Old Grove TITLE Partner  
CITY Oceanside CA ZIP 92008 PHONE (858) 271-7050  
Rocky Point Drive and Old Grove Road San Diego  
B. SITE ADDRESS COUNTY  
CITY Oceanside CA ZIP 92056 PHONE (858) 271-7050

IV. BASIS OF TERMINATION

\_\_\_\_\_ 1. The construction project is complete and the following conditions have been met.

- All elements of the Storm Water Pollution Prevention Plan have been completed.
- Construction materials and waste have been disposed of properly.
- The site is in compliance with all local storm water management requirements.
- A post-construction storm water operation and management plan is in place.

Date of project completion \_\_\_\_\_

✓ 2. Construction activities have been suspended, either temporarily ✓ or indefinitely ✓ and the following conditions have been met.

- All elements of the Storm Water Pollution Prevention Plan have been completed.
- Construction materials and waste have been disposed of properly.
- All denuded areas and other areas of potential erosion are stabilized.
- An operation and maintenance plan for erosion and sediment control is in place.
- The site is in compliance with all local storm water management requirements.

Date of suspension 9-1-2009 Expected start up date 9-1-2012

\_\_\_\_\_ 3. Site can not discharge storm water to waters of the United States (check one).

SEND TO YOUR LOCAL RWQCB FOR APPROVAL

\_\_\_ All storm water is retained on site.

\_\_\_ All storm water is discharged to evaporation or percolation ponds offsite.

\_\_\_ 4. Discharge of storm water from the site is now subject to another NPDES general permit or an individual NPDES permit.

NPDES Permit No. \_\_\_\_\_ Date coverage began \_\_\_\_\_

\_\_\_ 5. There is a new owner of the identified site. Date of owner transfer \_\_\_\_\_

Was the new owner notified of the General Permit requirements? YES \_\_\_ NO \_\_\_

NEW OWNER INFORMATION

COMPANY NAME \_\_\_\_\_ CONTACT PERSON \_\_\_\_\_  
STREET ADDRESS \_\_\_\_\_ TITLE \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_ PHONE \_\_\_\_\_

V. EXPLANATION OF BASIS OF TERMINATION (Attach site photographs - see instructions)

The project has been suspended due to economic turn down. The site is stabilized and slopes are landscaped and irrigation in place. Temporary BMP's and De-silting basins are in place and functioning. There is an approved erosion control plan and a maintenance security deposit in place with the City of Oceanside

VI. CERTIFICATION:

I certify under penalty of law that all storm water discharges associated with construction activity from the identified site that are authorized by NPDES General Permit No. CAS000002 have been eliminated or that I am no longer the owner of the site. I understand that by submitting this Notice of Termination, I am no longer authorized to discharge storm water associated with construction activity under the general permit, and that discharging pollutants in storm water associated with construction activity to waters of the United States is unlawful under the Clean Water Act where the discharge is not authorized by a NPDES permit. I also understand that the submittal of this Notice of Termination does not release an owner from liability for any violations of the general permit or the Clean Water Act.

PRINTED NAME Larry Woodward TITLE Partner

SIGNATURE Laurance Woodward DATE 6-24-2010

REGIONAL WATER BOARD USE ONLY

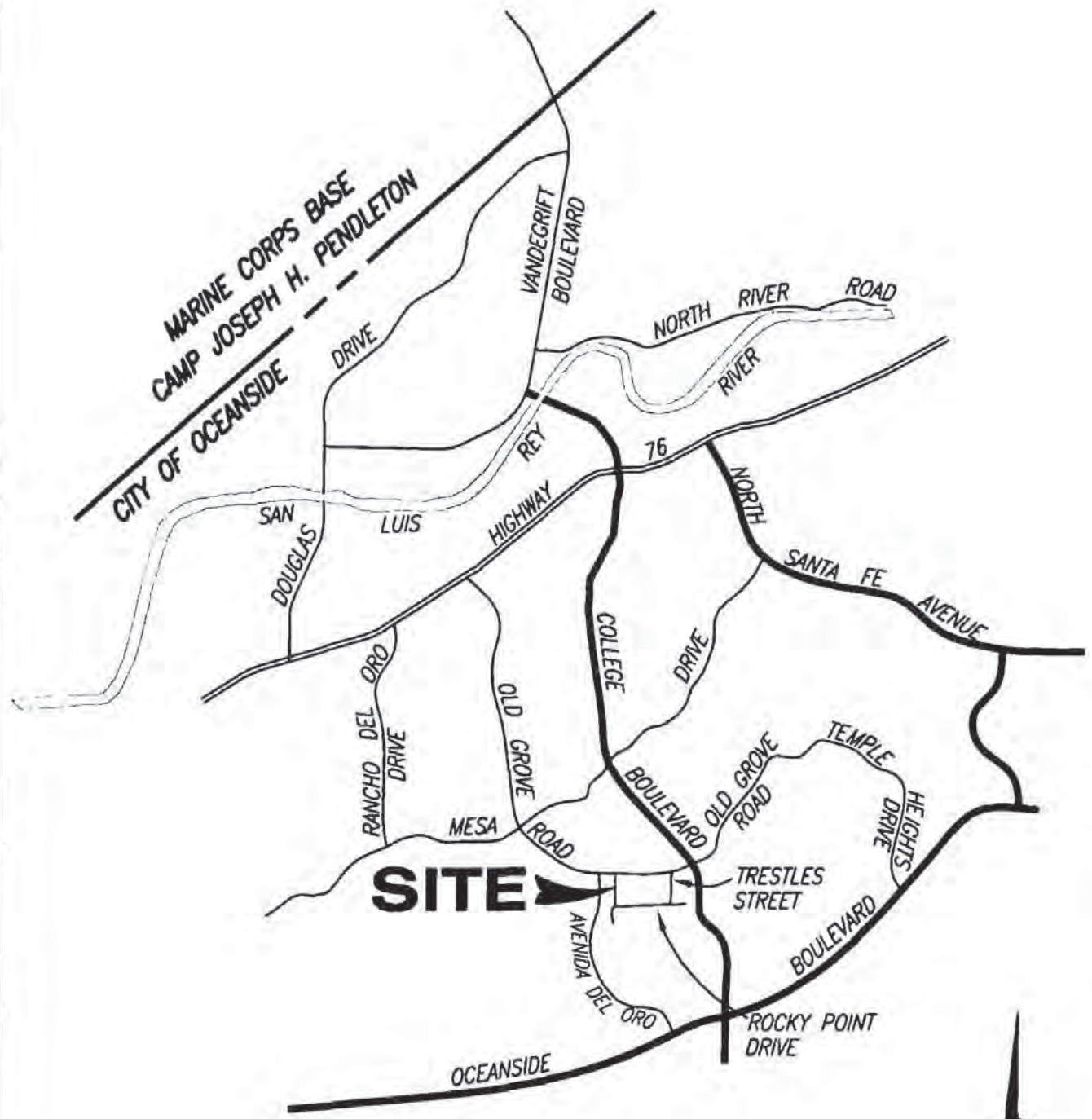
This Notice of Termination has been reviewed, and I recommend termination of coverage under the subject NPDES general permit.

Printed Name \_\_\_\_\_ Region No. \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_

NOT effective date:  
Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

F:\208 LW Prop\01 PC\AC\dmg\temp\2081fig-1.dwg 8/22/2010 9:43:31 AM PDT



**SITE** →



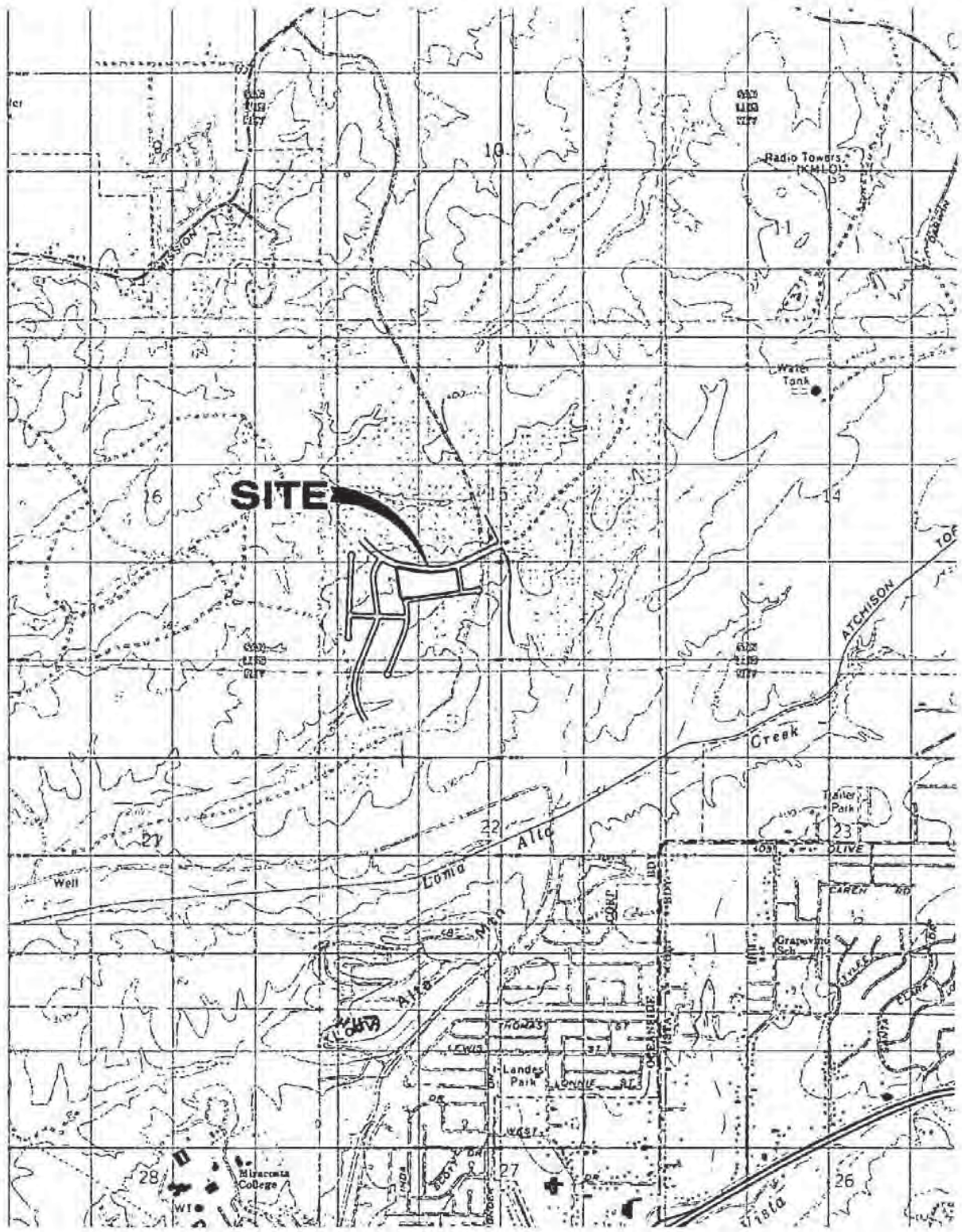
NOT TO SCALE

PREPARED IN THE OFFICE OF

**BUCCOLA** 760/721-2000  
**ENGINEERING, inc**  
 3142 Vista Way, Suite 301, Oceanside, CA 92056

**PACIFIC COAST MEDICAL CENTER**  
**D-4-08**  
**NOTICE OF TERMINATION**  
**FIGURE 1**  
**VICINITY MAP**

F:\208 LW Prop\01 PCMC\dwg\swmp\2081fig-2.dwg 6/22/2010 9:45:37 AM PDT



PREPARED IN THE OFFICE OF:

**BUCCOLA ENGINEERING, inc**

760/721-2000

3142 Vista Way, Suite 301, Oceanside, CA 92056



NOT TO SCALE

**PACIFIC COAST MEDICAL CENTER**

**D-4-08**

**NOTICE OF TERMINATION**

**FIGURE 2**

**USGS LOCATION MAP**

















REGIONAL WATER QUALITY BOARD  
 Ref: 342121  
 Date: 3/11/2008  
 WDID: 9 37C351134

R-342121

PI: 39224

# 351134

Attachment 2

THE REGIONAL WATER QUALITY CONTROL BOARD  
 ORDER No. 99-08-DWQ



I. NOI STATUS (SEE INSTRUCTIONS) 2-15

MARK ONLY ONE ITEM 1.  New Construction 2.  Change of information for WDID#

II. PROPERTY OWNER

Name Pacific Coast Partners, LP		Contact Person Larry Woodward	
Mailing Address 9820 Willow Creek Road, Suite 400		Title Partner	
City San Diego	State CA	Zip 92131	Phone (858) 271-7050
Owner Type (check one) 1. <input type="checkbox"/> Private Individual 2. <input checked="" type="checkbox"/> Business 3. <input type="checkbox"/> Municipal 4. <input type="checkbox"/> State 5. <input type="checkbox"/> Federal 6. <input type="checkbox"/> Other			

RECEIVED  
MAR 14 2008  
DIVISION OF WATER QUALITY

III. DEVELOPER/CONTRACTOR INFORMATION

Developer/Contractor Pacific Coast Partners, LP		Contact Person Larry Woodward	
Mailing Address 9820 Willow Creek Road, Suite 400		Title Partner	
City San Diego	State CA	Zip 92131	Phone (858) 271-7050

IV. CONSTRUCTION PROJECT INFORMATION

Site/Project Name Pacific Coast Medical Center		Site Contact Person Larry Woodward	
Physical Address/Location Rocky Point Drive and Old Grove Road		Latitude 33	Longitude 117
City (or nearest City) Oceanside		County San Diego	
A. Total size of construction site area: <u>7.88</u> Acres		C. Percent of site imperviousness (including rooftops): Before Construction: <u>0</u> % After Construction: <u>72</u> %	
B. Total area to be disturbed: <u>7.88</u> Acres (% of total <u>100</u> )		D. Tract Number(s): <u>D-4-08</u>	
F. Is the construction site part of a larger common plan of development or sale? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		E. Mile Post Marker: <u>N/A</u>	
H. Construction commencement date: <u>09 / 01 / 08</u>		G. Name of plan or development: Pacific Coast Business Park Industrial Master Plan Rancho Del Oro Specific Plan (5-11-84)	
I. % of site to be mass graded: <u>100</u>		J. Projected construction dates: Complete grading: <u>11 / 01 / 08</u> Complete project: <u>09 / 01 / 09</u>	
K. Type of Construction (Check all that apply): 1. <input type="checkbox"/> Residential 2. <input checked="" type="checkbox"/> Commercial 3. <input type="checkbox"/> Industrial 4. <input type="checkbox"/> Reconstruction 5. <input type="checkbox"/> Transportation 6. <input checked="" type="checkbox"/> Utility Description: <u>sewer, water, storm drain</u> 7. <input checked="" type="checkbox"/> Other (Please List): <u>dry utilites</u>			

V. BILLING INFORMATION

SEND BILL TO: <input checked="" type="checkbox"/> OWNER (as in I. above)	Name Pacific Coast Partners, LP	Contact Person Larry Woodward
<input type="checkbox"/> DEVELOPER (as in III. above)	Mailing Address 9820 Willow Creek Road, Suite 400	Phone/Fax (858) 271-7050/(858) 578-4419
<input type="checkbox"/> OTHER (enter information on right)	City San Diego	State CA
	Zip 92131	

SAN DIEGO REGIONAL WATER QUALITY CONTROL BOARD  
2008 MAR 24 P 2:15

MOON-GUN IN

**VI. REGULATORY STATUS**

A. Has a local agency approved a required erosion/sediment control plan?  YES  NO  
 Does the erosion/sediment control plan address construction activities such as infrastructure and structures?  YES  NO  
 Name of local agency: City of Oceanside Phone: (760) 435-3065

B. Is this project or any part thereof, subject to conditions imposed under a CWA Section 404 permit of 401 Water Quality Certification?  YES  No  
 If yes, provide details: \_\_\_\_\_

RECEIVED  
MAR 04 2008

DIVISION OF WATER QUALITY

**VII. RECEIVING WATER INFORMATION**

A. Does the storm water runoff from the construction site discharge to (Check all that apply):

- Indirectly to waters of the U.S.
- Storm drain system - Enter owner's name: City of Oceanside
- Directly to waters of U.S. (e.g., river, lake, creek, stream, bay, ocean, etc.)

B. Name of receiving water: (river, lake, creek, stream, bay, ocean): Loma Alta Creek, Loma Alta Slough, Pacific Ocean Shoreline at Loma Alta HA

**VIII. IMPLEMENTATION OF NPDES PERMIT REQUIREMENTS**

A. STORM WATER POLLUTION PREVENTION PLAN (SWPPP) (check one)

A SWPPP has been prepared for this facility and is available for review. Date Prepared: \_\_\_/\_\_\_/\_\_\_ Date Amended: \_\_\_/\_\_\_/\_\_\_

A SWPPP will be prepared and ready for review by (enter date): 09/01/08

A tentative schedule has been included in the SWPPP for activities such as grading, street construction, home construction, etc.

B. MONITORING PROGRAM

A monitoring and maintenance schedule has been developed that includes inspection of the construction BMPs before anticipated storm events and after actual storm events and is available for review.

If checked above: A qualified person has been assigned responsibility for pre-storm and post-storm BMP inspections to identify effectiveness and necessary repairs or design changes.  YES  NO

Name: Lawrence Woodward Phone: (858) 271-7050

C. PERMIT COMPLIANCE RESPONSIBILITY

A qualified person has been assigned responsibility to ensure full compliance with the Permit, and to implement all elements of the Storm Water Pollution Prevention Plan including:

- Preparing an annual compliance evaluation.  YES  NO  
 Name: Lawrence Woodward Phone: (858) 271-7050
- Eliminating all unauthorized discharges.  YES  NO

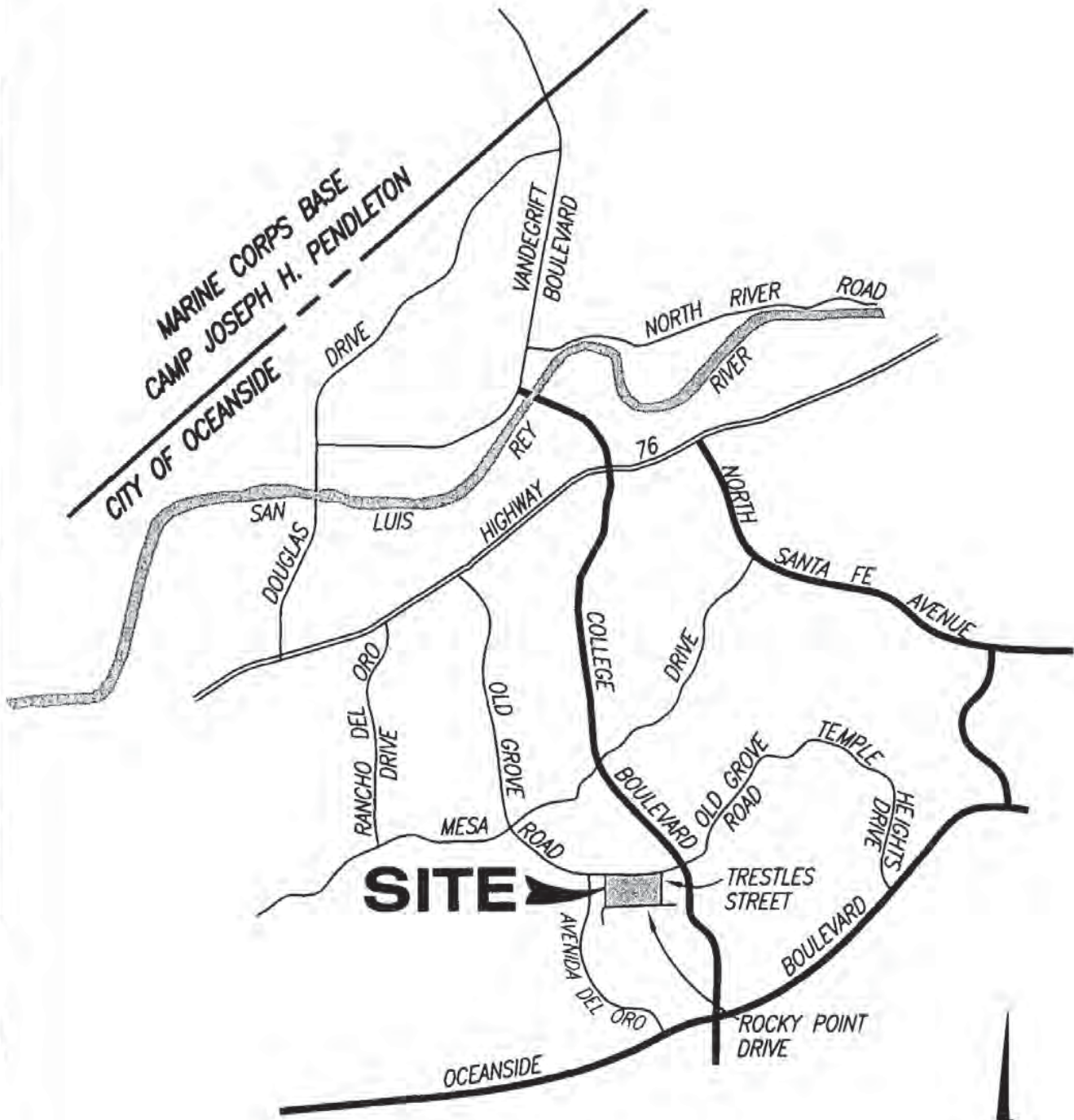
**IX. VICINITY MAP AND FEE (must show site location in relation to nearest named streets, intersections, etc.)**

Have you included a vicinity map with this submittal?  YES  NO  
 Have you included payment of the annual fee with this submittal?  YES  NO

**X. CERTIFICATIONS**

"I certify under penalty of law that this document and all attachments were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment. In addition, I certify that I have read the entire General Permit, including all attachments, and agree to comply with and be bound by all of the provisions, requirements, and prohibitions of the permit, including the development and implementation of a Storm Water Pollution Prevention Plan and a Monitoring Program Plan will be complied with."

Printed Name: LAWRENCE A. WOODWARD  
 Signature: Lawrence A. Woodward Date: 2-26-08  
 Title: PARTNER



NOT TO SCALE

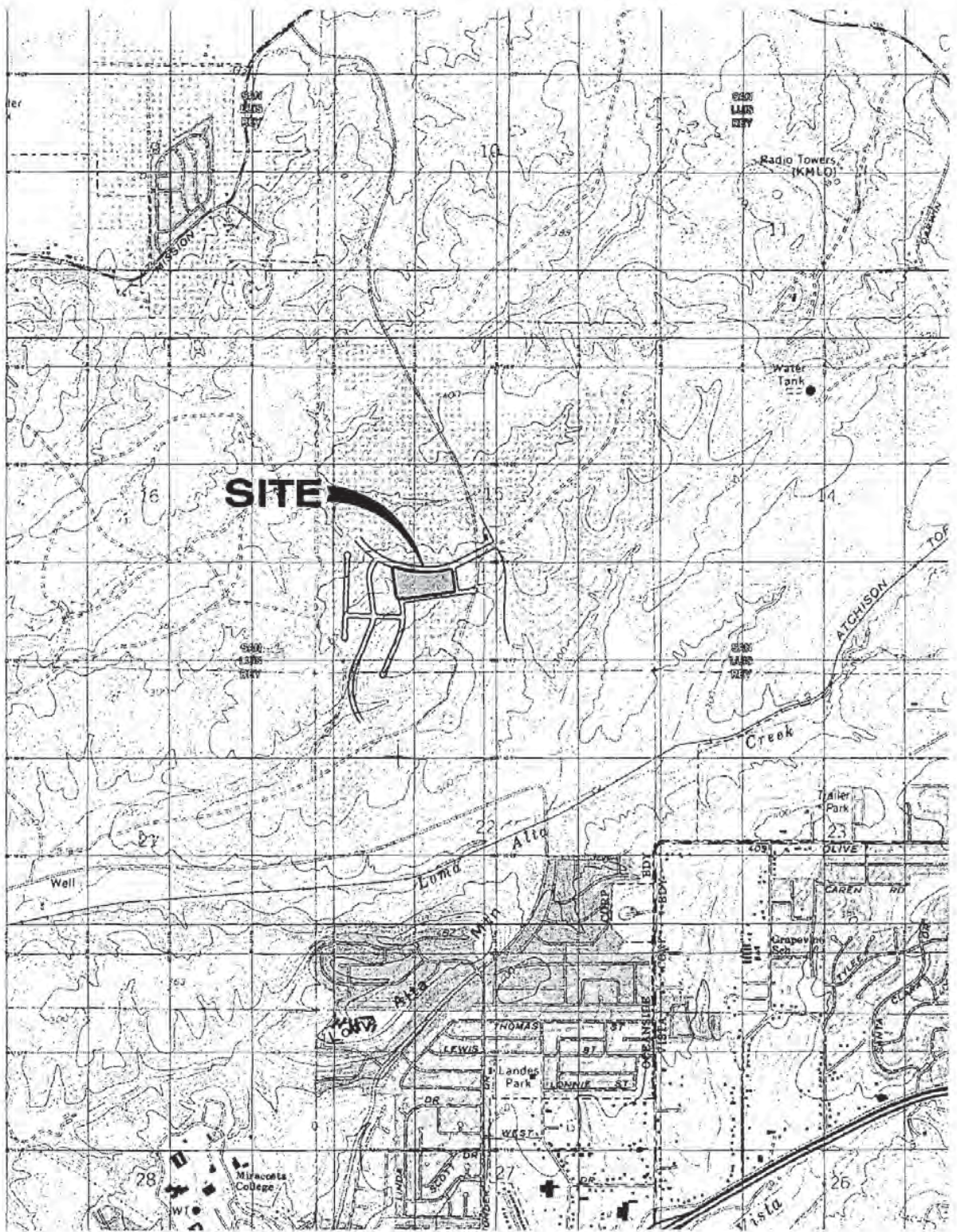
PREPARED IN THE OFFICE OF:  
**BUCCOLA**  
**ENGINEERING, inc**  
 3142 Vista Way, Suite 301, Oceanside, CA 92056

760/721-2000

PACIFIC COAST MEDICAL CENTER D-4-08  
 PARCELS 27, 28, & 29, APN 161-512-09

**NOI**  
**VICINITY MAP**





PREPARED IN THE OFFICE OF:

**BUCCOLA** 760/721-2000  
**ENGINEERING, inc**

3142 Vista Way, Suite 301, Oceanside, CA 92056



NOT TO SCALE

**PACIFIC COAST MEDICAL CENTER D-4-08**  
**PARCELS 27, 28, & 29, APN 161-512-09**

**NOI**

**USGS LOCATION MAP**

## **Appendix G**

Request for Records Search to the  
San Diego Air Pollution Control District (SDAPCD) and  
Photocopies Obtained from that Agency

**SAN DIEGO AIR POLLUTION CONTROL DISTRICT**

**REQUEST FOR PUBLIC RECORDS**

Date: 8/5/15  
Name: Shannon Castagno Shannon@EnvironmentalSupportServices.com  
Agency: Environmental Support Services  
Address: 30251 Golden Lantern #E-305  
City: Laguna Niguel State: CA Zip: 92677  
Phone: (949 ) 429-3564 Fax: (949 ) 429-3563

I request to inspect the following Public Records (please be specific): \_\_\_\_\_

Rocky Point Drive  
APN's 161-512-26 & 161-512-27  
Oceanside, CA 92056  
(See attached map)

**INSPECTION OF PUBLIC RECORDS**

The district shall make a determination if the records requested are available with the exception of those records specifically exempted from disclosure by state law and those records labeled as "TRADE SECRET" which are not emission data, within ten (10) days of the date of the receipt of the request. If, for good cause, the determination cannot be made within the ten (10) working days, the District will notify the requesting person the reasons for the delay and when the determination is expected to be made within an additional 14 days, as prescribed by law. Those records labeled as "TRADE SECRETS" shall be governed by the procedure set forth in District Rule 177 Section (g).

If you have any questions, please contact Public Records at (858) 586-2618.

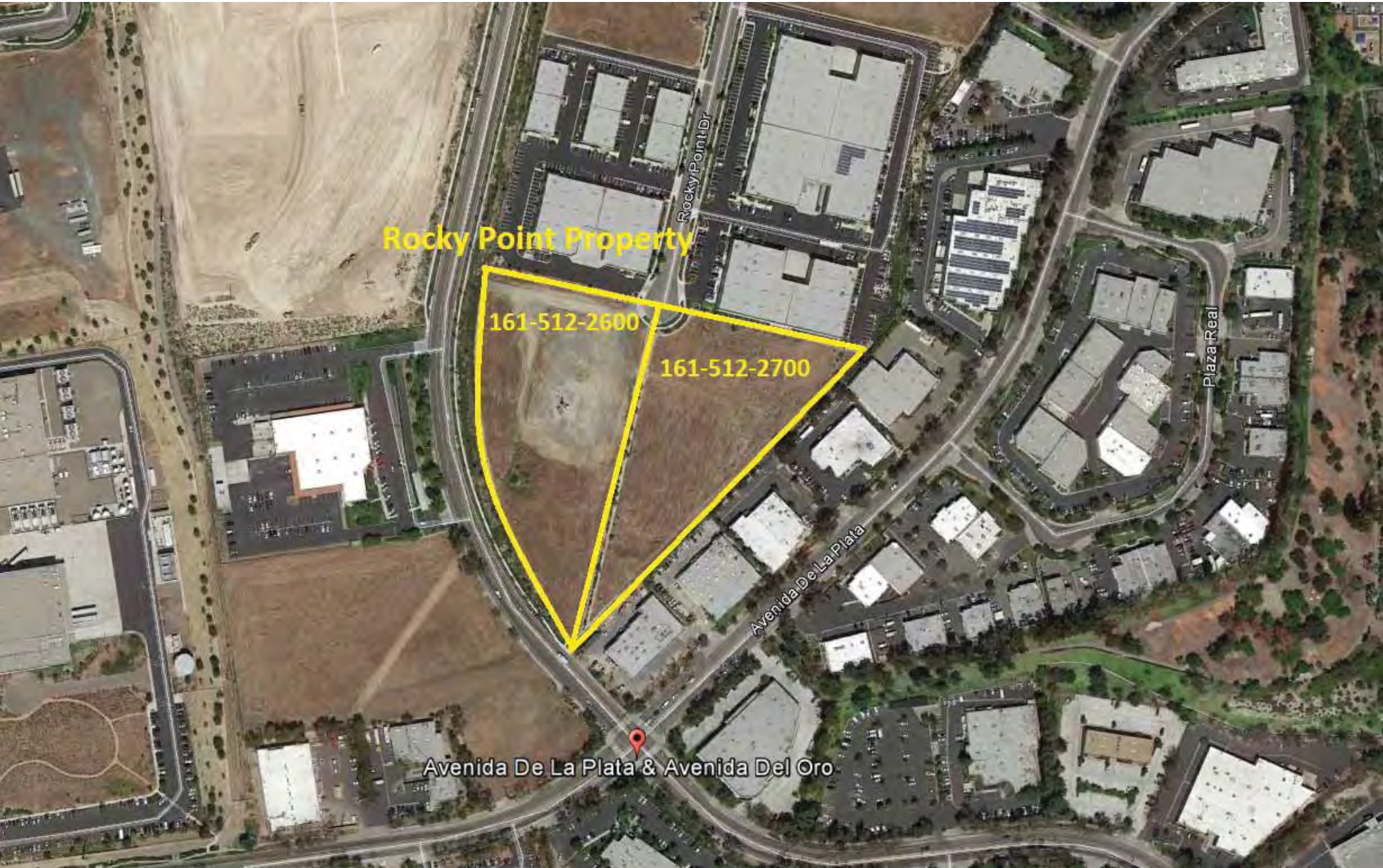
**Mail or fax completed form to:**

San Diego APCD  
Public Records  
10124 Old Grove Road  
San Diego, CA 92131

Phone: (858) 586-2600

Fax No.: (858) 586-2601

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Rocky Point Property

161-512-2600

161-512-2700

Avenida De La Plata & Avenida Del Oro

Rocky Point Dr

Avenida De La Plata

Plaza Real

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## CONSTRUCTION COMPLETION NOTICE

San Diego County Air Pollution Control District  
10124 Old Grove Road  
San Diego, CA 92131  
(858) 586-2745  
FAX: (858) 586-2801

Please complete the "APPLICANT USE ONLY" portion of this notice and fax or mail it to the APCD. The following information has been included based on your application information. Please note any corrections to this information.

COMPANY NAME (DBA): PACIFIC COAST CREDIT UNION APPLICATION #: 001030

EQUIPMENT ADDRESS: 1278 ROCKY POINT DRIVE  
OCEANSIDE, CA 92056

TYPE OF EQUIPMENT: EMERGENCY ENGINE GENERATOR: DETROIT DIESEL ENGINE, MODEL 6063HV35.  
635 HP, MODEL YEAR 2010, S/N TBD, EPA TIER 3 CERTIFIED ENGINE, FAMILY NUMBER  
ADDXL14.0VLD, TURBOCHARGED, DRIVING A 400 KW GENERATOR

APCD PROJECT ENGINEER: EVARISTE HAURY TELEPHONE: (858) 586-2745

### APPLICANT USE ONLY

DATE CONSTRUCTION WAS COMPLETED: 8/4/10

PERSON PROVIDING NOTIFICATION (Please Print): Keith Lynch

EQUIPMENT SERIAL NUMBER: 06R1038264

SIGNATURE: \_\_\_\_\_

DATE OF NOTIFICATION: 8/4/10 TELEPHONE: 619-938-8200

### APCD USE

I.D.#: APCD2010-SITE-00347

VAX ENTRY DATE: 8-11-10

DATE RECEIVED: KC

CONTROL DISTRICT  
AIR POLLUTION  
2010 AUG 11 P 12:09

**SAN DIEGO AIR POLLUTION CONTROL DISTRICT  
COMPLIANCE DIVISION  
INSPECTION CHECKLIST  
FEE CODE 34C, H & W -- EMERGENCY STANDBY ENGINES  
Compression Ignition (17 CCR § 93115)**

APR 11 ENT'D

APCD 2010-SITE-

ID#: 00347 Permit/Registration #: 636 Date of Inspection: Mon-26-Mar-2012  
 Facility: Pacific Marine Credit Union Expiration Date: September 2012  
 Representative: Kevin Hawkes Title: Facilities technician Phone: 760-430-7511

1. Equipment manufacturer, model and serial numbers match? {10(a,b)} **YES**, If no, explain: \_\_\_\_\_
2. Current permit/certificate posted/available? {12(c)(4)(iv) and/or 10(c)} **YES**, Ownership verified? **YES** {12(f)(4) and/or 10(j)}

**EQUIPMENT INSPECTION**

3. Hourmeter:
  - a. Engine equipped with hourmeter **YES** {12(d)(3) and/or 69.4.1(e)(3)}
  - b. Changed out since last inspection? **NO** Documented per permit conditions? **NA**
4. Located within 500 Feet of a School or on School Grounds: **NO**. If Yes, operated with school provisions for Maintenance & Testing? **N/A**

5. Monthly Record of Engine Operation being maintained: **YES** {12(g)(1)(i)(B) and/or 69.4.1(g)(2)(i)}

6. Cumulative Engine Hours	Year: <u>2008</u>	Year: <u>2010</u>	Year: <u>2011</u>
Non-Emergency Operation:	_____	_____	<u>21.2</u>
Emergency Operation:	_____	_____	_____
Other	_____	_____	_____
Total: {12(g)(1)(i)(B) and/or 69.4.1(g)(2)(ii)}	<u>0.0</u>	<u>0.0</u>	<u>21.2</u>
<b>LIMIT(s)</b>	52 Hours	52 Hours	<u>50</u> Hours
a. Elapsed hours for current calendar Year 2006: <u>0.7</u> {maintenance and testing} / <u>0</u> {emergency}			
b. Current engine hour meter reading: <u>22.6</u>			

7. Fuel: CARB Diesel: **YES** {12(d)(2) and/or 69.4.1(g)(1)(iv)}, If No, what fuel: \_\_\_\_\_
8. Manual of recommended maintenance procedures maintained on site **YES** {12(g)(1)(iii) and/or 69.4.1(g)(1)(vi)}
9. Periodic maintenance of the engine being done at least once each calendar year? **YES** {12(g)(1)(i)(A) and/or 69.4.1(g)(2)(iii)}
10. Equipment in compliance with permit/certificate conditions? **NO** {21}

**COMPLIANCE ACTIONS**

11. Notice to Comply issued? **YES** NtC #, Rules and Description: 69.4.1 (g)(2)(1) Failure to maintain dates and times of engine operation.
12. Notice of Violation issued? **NO** NoV #, Rules and Description: \_\_\_\_\_
13. Review of permit conditions {H&S 42301(e)}: **No Changes Required - PO change form not submitted**

Comments/Remarks: Site contracts maintenance company Bay City Electric to perform annual maintenance on engine described in PO#636. Verified through work receipts.

Inspector: Miguel Reynoso Jauregui MRJ Initials Date of Report: 3/26/12  
 AQIH Initials: [Signature] Date: 4/09/2012



**APPLICATION INFORMATION:**

Applicant:  Mailing Address:   
 Application Number:  ID Number:  Equipment Address:   
 Make:  Model:  S/N:  Family #:   
 Turbocharged (y/n):  Aftercooled (y/n):  4\* Retard (y/n):  Equipment Driven:

**EMISSION INFORMATION:**

Engine Size:  BHP Fuel Usage:  gal/hr Heating Value:  Btu/gal  
 Operating Schedule:  hrs/day  days/wk  wks/yr  days/yr  hrs/yr

	Emission Factors				Control Equipment	
	lbs/bhp-hr <sup>2</sup>	lb/MMBtu <sup>2</sup>	g/bhp-hr <sup>1</sup>	(lbs/bhp-hr)	Efficiency	Equipment
NOx	2.4E-02	3.10	2.54	(5.6E-03)		
CO	5.3E-03	0.81	0.98	(2.2E-03)		
SOx	4.0E-03	0.05		(0.0E+00)		
NMHC	7.3E-04	0.10	0.12	(2.6E-04)		
PM10	7.0E-04	0.07	0.13	(2.9E-04)		

- Notes:
1. g/bhp-hr guaranteed by engine manufacturer (1 g = 453.6 lbs)
  2. other emission factors are from AP-42
  3. lb/hr limit is based on power output; lb/MMBtu is based on heat input
  4. assume sulfur content of fuel is 0.05%

**EMISSIONS CALCULATIONS:**

**Power Output:** (manufacturer's emission factors used when available, otherwise AP-42 emission factors used)

NOx =	5.6E-03	lbs/bhp-hr	x	635	bhp	=	3.55	lbs/hr
CO =	2.2E-03	lbs/bhp-hr	x	635	bhp	=	1.37	lbs/hr
SOx =	4.0E-03	lbs/bhp-hr	x	635	bhp	=	2.54	lbs/hr
NMHC =	2.6E-04	lbs/bhp-hr	x	635	bhp	=	0.17	lbs/hr
PM10 =	2.9E-04	lbs/bhp-hr	x	635	bhp	=	0.18	lbs/hr

**Heat Input:**

NOx =	3.1E+00	lbs/MMBtu	x	0.14	MMBtu/gal	x	31.90	gal/hr	=	13.55	lbs/hr
CO =	8.1E-01	lbs/MMBtu	x	0.14	MMBtu/gal	x	31.90	gal/hr	=	3.54	lbs/hr
SOx =	5.0E-02	lbs/MMBtu	x	0.14	MMBtu/gal	x	31.90	gal/hr	=	0.22	lbs/hr
NMHC =	1.0E-01	lbs/MMBtu	x	0.14	MMBtu/gal	x	31.90	gal/hr	=	0.44	lbs/hr
PM10 =	7.0E-02	lbs/MMBtu	x	0.14	MMBtu/gal	x	31.90	gal/hr	=	0.31	lbs/hr

**Concentration:**

Calculated Fuel Usage:  lbs/hr (assume fuel consumption is 0.054 gal/BHP, diesel fuel density is 7.05 lb/gal)

exhaust flow rate =  dscfh (@ 15% O2, assume 9190 dscf exhaust per MMBtu heat input)

NOx =		ppm	x	142273	scfh	x	46	lbs NO2 / 385	scf	=	0.00	lbs/hr
CO =		ppm	x	142273	scfh	x	28	lbs CO / 385	scf	=	0.00	lbs/hr
VOC =		ppm	x	142273	scfh	x	16	lbs CH4 / 385	scf	=	0.00	lbs/hr
NOx =	3.55	lbs/hr	+	142273	scfh	x	385	scf / 46	lbs NO2	=	208.9	ppm
CO =	1.37	lbs/hr	+	142273	scfh	x	385	scf / 28	lbs CO	=	132.3	ppm
VOC =	0.17	lbs/hr	+	142273	scfh	x	385	scf / 16	lbs CH4	=	26.2	ppm

**Grain Loading:**

Calculated Fuel Usage:  lbs/hr (assume fuel consumption is 0.054 gal/BHP, diesel fuel density is 7.05 lb/gal)

exhaust flow rate =  dscfh (@ 12% CO2, assume engine exhaust is 231 dscf/lb fuel)

PM concentration =  grains/dscf

**EMISSIONS SUMMARY:**

	lbs/hr	lbs/day	tons/yr
NOx	3.55	3.55	0.09
CO	1.37	1.37	0.03
SOx	2.54	2.54	0.06
NMHC	0.17	0.17	0.00
PM10	0.18	0.18	0.00

**APPLICATION INFORMATION:**

Applicant:  Mailing Address:   
 Application Number:  ID Number:  Equipment Address:   
 Make:  Model:  S/N:  Family #:   
 Turbocharged (y/n):  Aftercooled (y/n):  4\* Retard (y/n):  Equipment Driven:

**EMISSION INFORMATION:**

Engine Size:  BHP Fuel Usage:  gal/hr Heating Value:  Btu/gal  
 Operating Schedule:  hrs/day  days/wk  wks/yr  days/yr  hrs/yr

	Emission Factors				Control Equipment	
	lbs/bhp-hr <sup>2</sup>	lb/MMBtu <sup>2</sup>	g/bhp-hr <sup>1</sup>	(lbs/bhp-hr)	Efficiency	Equipment
NOx	2.4E-02	3.10	2.54	(5.6E-03)		
CO	5.3E-03	0.81	0.98	(2.2E-03)		
SOx	4.0E-03	0.05		(0.0E+00)		
NMHC	7.3E-04	0.10	0.12	(2.6E-04)		
PM10	7.0E-04	0.07	0.13	(2.9E-04)		

- Notes: 1. g/bhp-hr guaranteed by engine manufacturer (1 g = 453.6 lbs)  
 2. other emission factors are from AP-42  
 3. lb/hp-hr limit is based on power output; lb/MMBtu is based on heat input  
 4. assume sulfur content of fuel is 0.05%

**EMISSIONS CALCULATIONS:**

**Power Output:** (manufacturer's emission factors used when available, otherwise AP-42 emission factors used)

NOx =	5.6E-03	lbs/bhp-hr	x	635	bhp	=	<input type="text" value="3.55"/>	lbs/hr
CO =	2.2E-03	lbs/bhp-hr	x	635	bhp	=	<input type="text" value="1.37"/>	lbs/hr
SOx =	4.0E-03	lbs/bhp-hr	x	635	bhp	=	<input type="text" value="2.54"/>	lbs/hr
NMHC =	2.6E-04	lbs/bhp-hr	x	635	bhp	=	<input type="text" value="0.17"/>	lbs/hr
PM10 =	2.9E-04	lbs/bhp-hr	x	635	bhp	=	<input type="text" value="0.18"/>	lbs/hr

**Heat Input:**

NOx =	3.1E+00	lbs/MMBtu	x	0.14	MMBtu/gal	x	31.90	gal/hr	=	<input type="text" value="13.55"/>	lbs/hr
CO =	8.1E-01	lbs/MMBtu	x	0.14	MMBtu/gal	x	31.90	gal/hr	=	<input type="text" value="3.54"/>	lbs/hr
SOx =	5.0E-02	lbs/MMBtu	x	0.14	MMBtu/gal	x	31.90	gal/hr	=	<input type="text" value="0.22"/>	lbs/hr
NMHC =	1.0E-01	lbs/MMBtu	x	0.14	MMBtu/gal	x	31.90	gal/hr	=	<input type="text" value="0.44"/>	lbs/hr
PM10 =	7.0E-02	lbs/MMBtu	x	0.14	MMBtu/gal	x	31.90	gal/hr	=	<input type="text" value="0.31"/>	lbs/hr

**Concentration:**

Calculated Fuel Usage:  lbs/hr (assume fuel consumption is 0.054 gal/BHP, diesel fuel density is 7.05 lb/gal)

exhaust flow rate =  dscfh (@ 15% O2, assume 9190 dscf exhaust per MMBtu heat input)

NOx =	<input type="text"/>	ppm	x	142273	scfh	x	46 lbs NO2 / 385 scf	=	<input type="text" value="0.00"/>	lbs/hr
CO =	<input type="text"/>	ppm	x	142273	scfh	x	28 lbs CO / 385 scf	=	<input type="text" value="0.00"/>	lbs/hr
VOC =	<input type="text"/>	ppm	x	142273	scfh	x	16 lbs CH4 / 385 scf	=	<input type="text" value="0.00"/>	lbs/hr
NOx =	3.55	lbs/hr	+ 142273	scfh	x	385 scf / 46 lbs NO2	=	<input type="text" value="208.9"/>	ppm	
CO =	1.37	lbs/hr	+ 142273	scfh	x	385 scf / 28 lbs CO	=	<input type="text" value="132.3"/>	ppm	
VOC =	0.17	lbs/hr	+ 142273	scfh	x	385 scf / 16 lbs CH4	=	<input type="text" value="28.2"/>	ppm	

**Grain Loading:**

Calculated Fuel Usage:  lbs/hr (assume fuel consumption is 0.054 gal/BHP, diesel fuel density is 7.05 lb/gal)

exhaust flow rate =  dscfh (@ 12% CO2, assume engine exhaust is 231 dscf/lb fuel)

PM concentration =  grains/dscf

**EMISSIONS SUMMARY:**

	lbs/hr	lbs/day	tons/yr
NOx	3.55	21.31	0.36
CO	1.37	8.21	0.14
SOx	2.54	15.24	0.25
NMHC	0.17	1.00	0.02
PM10	0.18	1.09	0.02

## CONSTRUCTION COMPLETION NOTICE

San Diego County Air Pollution Control District  
10124 Old Grove Road  
San Diego, CA 92131  
(858) 586-2745  
FAX: (858) 586-2801

Please complete the "APPLICANT USE ONLY" portion of this notice and fax or mail it to the APCD. The following information has been included based on your application information. Please note any corrections to this information.

COMPANY NAME (DBA): PACIFIC COAST CREDIT UNION APPLICATION #: 001030

EQUIPMENT ADDRESS: 1278 ROCKY POINT DRIVE  
OCEANSIDE, CA 92056

TYPE OF EQUIPMENT: EMERGENCY ENGINE GENERATOR: DETROIT DIESEL ENGINE, MODEL 6063HV35.  
635 HP, MODEL YEAR 2010, S/N TBD, EPA TIER 3 CERTIFIED ENGINE, FAMILY NUMBER  
ADDXL14.0VLD, TURBOCHARGED, DRIVING A 400 KW GENERATOR

APCD PROJECT ENGINEER: EVARISTE HAURY TELEPHONE: (858) 586-2745

### APPLICANT USE ONLY

DATE CONSTRUCTION WAS COMPLETED: 8/4/10

PERSON PROVIDING NOTIFICATION (Please Print): Keith Lynd

EQUIPMENT SERIAL NUMBER: 06R1038264 ✓ correct

SIGNATURE: \_\_\_\_\_

DATE OF NOTIFICATION: 8/4/10 TELEPHONE: 619-938-8200

### APCD USE

I.D.#: APCD2010-SITE-00347

VAX ENTRY DATE:

DATE RECEIVED:

To Sharon  
8/11/10

**Diesel Engine Screening Risk**  
**San Diego Air Pollution Control District**  
 Version 1.3 (Released April 20, 2009)

July 19, 2010

Facility ID: 00347  
 Facility Name: Pacific Coast Credit Union  
 Application: 001030  
 Permit: 001030  
 Project Engineer: Evariste Haury

Notes:

PARAMETER		RANGE REQUIRED FOR USE OF SCREENING TABLES
Does this project consist of a single engine?	Yes	Yes
Is this application equipped with T-BACT?	No	
Maximum Rated Horsepower (bhp):	635	50 - 1500 bhp
Particulate Emission Factor (g/bhp-hr):	0.134	
Annual Usage (hours/year):	50	
Maximum Hourly Fuel Usage (gal/hr):	31.9	
Nearby Buildings Present?	No	
Is the stack unobstructed and exhausts in a vertical direction?	Yes	Yes
Receptor Distances (meters)		
Residential <sup>1</sup>	304	25 meters or greater
Occupational <sup>2</sup>	60	25 meters or greater
Acute <sup>3</sup>	50	25 meters or greater

**Risk Estimates:**

Cancer Risk (Residential): 0.43 in one million  
 Cancer Risk (Occupational): 0.64 in one million  
 Acute HHI: 0.06

Please refer projects to the Toxics Section if:

1. Project consists of more than one engine.
2. Engine is not within the range required for this table, or
3. Risk estimates are greater than the allowable limits. For projects equipped with T-BACT, the allowable cancer risk is 10 in one million or less. For non-TBACT projects, the allowable cancer risk is one in one million or less. For all projects, the allowable acute HHI is one or less.

If the projects passes R1200, please e-mail the completed form to the Toxics Section. To automatically send an e-mail that includes this form, click ONCE on the button below (spreadsheet macros must be enabled). Note that each click sends one e-mail. A copy of the e-mail will be in your Outlook "Sent Items" folder.

[e-mail to Toxics](#)

Notes:

- 1) Residential receptor distance is the distance between the stack and the nearest residence.
- 2) Occupational receptor distance is the distance between the stack and the nearest business.
- 3) Acute receptor distance is the distance between the stack and the nearest off-site location where extended (i.e. one-hour) public access is possible.

PERMIT / REGISTRATION APPLICATION

FILING THIS APPLICATION DOES NOT GRANT PERMISSION TO CONSTRUCT OR TO OPERATE EQUIPMENT

IMPORTANT REMINDERS: Read instructions on the reverse side of this form prior to completing this application. Please ensure that all of the following are included before you submit the application:

- Appropriate Permit Fee
- Completed Supplemental Form(s)
- Signature on Application

REASON FOR SUBMITTAL OF APPLICATION: (check the appropriate item and enter Application (AP) or Permit to Operate (PO) number if required)

- 1.  New Installation
- 2.  Existing Unpermitted Equipment or Rule 11 Change
- 3.  Modification of Existing Permitted Equipment
- 4.  Amendment to Existing Authority to Construct or AP
- 5.  Change of Equipment Location
- 6.  Change of Equipment Ownership
- 7.  Change of Permit Conditions
- 8.  Change Permit to Operate Status to Inactive
- 9.  Banking Emissions
- 10.  Registration of Portable Equipment
- 11.  Other (Specify) \_\_\_\_\_
- 12. List affected AP/PO#(s): \_\_\_\_\_

APPLICANT INFORMATION

- 13. Name of Business (DBA) Pacific Coast Credit Union
- 14. Nature of Business Financial Institute
- 15. Does this organization own or operate any other APCD permitted equipment at this or any other adjacent locations in San Diego County?  Yes  No  
If yes, list assigned location ID's listed on your PO's \_\_\_\_\_
- 16. Type of Ownership  Corporation  Partnership  Individual Owner  Government Agency  Other \_\_\_\_\_
- 17. Name of Legal Owner (if different from DBA) \_\_\_\_\_

	<b>A. Equipment Owner</b>	<b>B. Authority to Construct (if different from A)</b>
18. Name	<u>Pacific Coast Credit Union</u>	<u>Bay City Electric Works, Inc</u>
19. Mailing Address	<u>1278 Rocky Point Drive</u>	<u>12208 Industry Road</u>
20. City	<u>Oceanside</u>	<u>Lakeside</u>
21. State	<u>CA</u> Zip <u>92056</u>	<u>CA</u> Zip <u>92040</u>
22. Phone	( ) FAX ( )	(619) 938-8200 FAX (619) 938-8202

	<b>C. Permit to Operate (if different from A)</b>	<b>D. Billing Information (if different from A)</b>
23. Name	<u>Same as A</u>	<u>Same as A</u>
24. Mailing Address	_____	_____
25. City	_____	_____
26. State	_____ Zip _____	_____ Zip _____
27. Phone	( ) FAX ( )	( ) FAX ( )

EQUIPMENT/PROCESS INFORMATION: Check Type of Equipment:  Stationary  Portable - Will operation exceed 180 days:  Yes  No

- 28. Equipment Location Address 1278 Rocky Point Drive City Oceanside Parcel No: \_\_\_\_\_
- 29. State CA Zip 92056 Phone ( ) FAX ( )
- 30. Site Contact \_\_\_\_\_ Title \_\_\_\_\_ Phone (760) 430-6001
- 31. General Description of Equipment/Process Installation of diesel engine attached to a generator.

- 32. Application Submitted by  Owner  Operator  Contractor  Consultant Affiliation \_\_\_\_\_

EXPEDITED APPLICATION PROCESSING:  I hereby request Expedited Application Processing and understand that:

- 33. a) Expedited processing will incur additional fees and permits will not be issued until the additional fees are paid in full (see Rule 40(d)(8)(iv) for details).
- b) Expedited processing is contingent on the availability of qualified staff.
- c) Once engineering review has begun this request cannot be cancelled.
- d) Expedited processing does not guarantee action by any specific date nor does it guarantee permit approval.

I hereby certify that all information provided on this application is true and correct.

- 34. SIGNATURE [Signature] Date 02/17/10
- 35. Print Name Keith Lynch Title Project Manager
- 36. Company Bay City Electric Works Phone (619) 977-1672 E-mail Address klynch@bcw.com

APP-001030		APCD USE ONLY	
AP # <u>001030</u>	Cust. No. <u>00347</u>	Sector: <u>C</u> UTM's X <input type="checkbox"/> Y <input checked="" type="checkbox"/>	SIC <u>522130</u>
Receipt # <u>10187</u>	Date _____	Amt Rec'd \$ <u>2557.-</u>	Fee Code <u>34H</u>
Engineering Contact _____	Fee Code _____	AP Fee \$ _____	T&M Renewal Fee \$ _____
Refund Claim # _____	Date _____	Amt \$ _____	
Application Generated By <u>NV#</u>	NC# _____	Other _____	Date _____ Inspector _____

11.05 - TW/jfo  
 34H - \$1500 PNA \$173 EMF \$116 TNS \$568  
 NBF \$95 ITA \$13 ITP \$13 ITE \$3

E-Permit  
 2/26/10  
 \$-936-74100  
 TA

02/19/10 PM 3:57 APCD

A

**SAN DIEGO AIR POLLUTION CONTROL DISTRICT**

**SUPPLEMENTAL APPLICATION  
INFORMATION**

**FEE SCHEDULE  
34A-J**

**San Diego APCD Use Only**

Appl. No.: 001030

ID No.: 00347

**INTERNAL COMBUSTION ENGINES**

1 **Company Name:** Pacific Coast Credit Union

2 **Equipment Address:** 1278 Rocky Point Drive Oceanside, CA

3  
4 Reason for submitting application:

- 5  Existing Unit, Date of Installation \_\_\_\_\_  Compliance with 2004 Diesel Engine ATCM  
6  Replacement of Existing Unit;  New or Additional Unit

7 **A. EQUIPMENT DESCRIPTION**

8 Engine Mfr.: Detroit Diesel Model: 6063HV35 S/N: TBD

9 Engine hp Rating: 635 Fuel Type:  diesel\*  natural gas  gasoline

10 Combination of fuels (specify) \_\_\_\_\_

- 11 Engine Equipment:  turbocharger  aftercooler  4-degree retard of fuel injection  
12  exhaust gas recirculation  lean burn  
13  pre-chamber combustion  air/fuel controller  
14  diesel particulate filter (attach manufacturer's specification for efficiency, and/or  
15 ARB verification.)  
16  other add-on control technology (attach manufacturer's specification for efficiency,  
17 and/or ARB verification.)

18 (Specify) \_\_\_\_\_

19  crankcase (blow-by) emission control equipment

20 (Specify) \_\_\_\_\_ Model \_\_\_\_\_

21 Describe any in stack emission control and/or monitoring devices. (i.e., catalytic converter)

22  
23 \* Diesel fuel must be Certified California Diesel (CARB Diesel).

24 **B. PROCESS DESCRIPTION**

25 Engine Drives:  compressor \_\_\_\_\_ cfm  pump \_\_\_\_\_ gpm

26  generator 400 kw  other (specify) \_\_\_\_\_

27 Equipment is:  portable  stationary  continuous service

28  peak shaving electrical supply  cogeneration

29  emergency electrical supply  used at any time

30 **C. OPERATING SCHEDULE (typical)**

	Hours/day	Days/week	Weeks/year
Average	.25	1	52
Maximum	5	1	4

Equipped with a non-resettable hour meter?  yes  no

31 **D. FUEL CONSUMPTION AND EMISSIONS (@100% Load)**

32 Liquid Fuel: 31.9 gal/hr \_\_\_\_\_ gal/wk \_\_\_\_\_ gal/yr

33 Gaseous Fuel: \_\_\_\_\_ gal/hr \_\_\_\_\_ gal/wk \_\_\_\_\_ gal/yr

34 \_\_\_\_\_/hr \_\_\_\_\_/wk \_\_\_\_\_/yr

Exhaust Emission*:	LB/HR	g/HP-HR	g/HR	PPM
Carbon Monoxides (CO)		.978		
Nitrogen Oxides (NOx)		2.537		
Hydrocarbons (HC) (Non CH4)		.119		
Sulfur Oxides (SOx) @ 12% CO2				
Particulate Matter (PM)		.134		

35 \*Please attach manufacturer's specifications or source of exhaust emission data.

36 Exhaust Temperature 1025 °F

37 Fuel Supplier: TBD

38 Fuel Sulfur Content: 15ppm % Sulfur (% wt. as S. (Liquid Fuel))

39 Fuel Sulfur Content: \_\_\_\_\_ % Sulfur (% vol. as H2S (Gaseous Fuel))

40 Engine year of manufacture: 2010

41 CARB Certification No.: U-R-007-0114

42 EPA Certification No.: DDX-NRCI-10-05

43 **E. RULE 1200 TOXICS EVALUATION:**

44 **FACILITY SITE MAP** Please provide a copy of a **Thomas Bros. Map** showing the geographic location of your facility.  
 45 This helps by making it possible for the District to use a Geographic Information System to identify community residents  
 46 and workers who may be impacted by emissions from your facility.

47 **PLOT PLAN** Please also provide a **facility plot plan or diagram** (need not be to scale as long as distances of key  
 48 features from reference points are shown) showing the **location of emission point(s)** at the facility, property lines, and the  
 49 **location and dimensions of buildings** (estimated height, width, and length) that are closer than 100 ft. from the emission  
 50 point. This diagram helps by making it possible for the District to efficiently set-up the inputs for a health risk evaluation.  
 51 Inaccurate information may adversely affect the outcome of the evaluation.

52 **EMISSION POINT DATA** Determine if your emission source(s) are ducted sources or if they are unducted/fugitive  
 53 sources and provide the necessary data below. (Examples of commonly encountered emission points: **Ducted or Stack**  
 54 **Emissions** - an exhaust pipe or stack, a roof ventilation duct; **Unducted Emissions** - anything not emitted through a duct,  
 55 pipe, or stack, for instance, an open window or an outdoor area or volume.)



56 **1. Ducted or Stack Emissions** (For 1 or more emission points). Estimate values if you are unsure.

Parameter	Point #1	Point #2	Point #3	Point #4	Point #5	Point #6
Height of Exhaust above ground (ft)	11'					
Stack Diameter (or length/width) (ft)	5"					
Exhaust Gas Temperature* (°F)	1025°F					
Exhaust Gas Flow (actual cfm or fps)	3575cfm					
Is Exhaust Vertical (Yes or No)	Yes					
Raincap? (None, Flapper Valve, Raincap)	Flapper					
Distance to Property Line (+/- 10 ft)	30'					

\* Use "70 °F" or "Ambient" if unknown

57 **2. Unducted Emissions** (For 1 or more emission points). Estimate if you are unsure.

58 **Describe how unducted gases, vapors, and/or particles get into the outside air.** Provide a brief description of the  
 59 process or operation for each unducted emission point. If unducted emissions come out of building openings such as  
 60 doors or windows, estimate the **size of the opening** (example – 3 ft x 4 ft window).

61 If unducted emissions originate outside your buildings, estimate the **size of the emission zone** (example - paint spraying  
 62 2' x 2' x 2' bread boxes).

63 \_\_\_\_\_

64 \_\_\_\_\_

65 \_\_\_\_\_

66 \_\_\_\_\_

67 \_\_\_\_\_

68 \_\_\_\_\_

69 \_\_\_\_\_

70 \_\_\_\_\_

71 **RECEPTOR DATA** A receptor is a residence or business whose occupants could be exposed to toxic emissions from  
 72 your facility. In order to estimate the risk to nearby receptors, please provide the distance from the emission point to the  
 73 nearest residence and to the nearest business.

74 Distance to nearest residence 1000 ft

75 Distance to nearest business 200 ft

76 Distance to nearest school 2000 ft

77 **Name of Preparer:** Keith Lynch **Title:** Gov't Compliance Manager

78 **Phone No.:** (619 ) 977-1672 **E-mail:** klynch@bcew.com **Date:** 02/17/2010

**NOTE TO APPLICANT:**

Before acting on an application for Authority to Construct or Permit to Operate, the District may require further information, plans, or specifications. Forms with insufficient information may be returned to the applicant for completion, which will cause a delay in application processing and may increase processing fees. The applicant should correspond with equipment and material manufacturers to obtain the information requested on this supplemental form.

**SAN DIEGO AIR POLLUTION CONTROL DISTRICT**

**SUPPLEMENTAL APPLICATION  
INFORMATION**  
**RULE 1200  
TOXICS EVALUATION**

**San Diego APCD Use Only**  
**Appl. No.:**  
**ID No.:**

(ALL REQUESTED INFORMATION IS IMPORTANT - PLEASE COMPLETE FULLY)

1 **FACILITY NAME:** Pacific Coast Credit Union

2 **RELEASE POINT DATA** (Examples of commonly encountered release points: the tip of an exhaust stack, a  
3 roof vent, an open window, an outdoor area or volume)

4 How are the emissions from this device released into the outdoor air? Check One  
5  Exhaust Stack or Duct       Unducted Vent       Released Through Windows or Doors  
6  Undirected Emissions ( Anything other than the above categories)

7 If emissions are from a stack or a duct, check off the direction of flow.       Vertical (Up)  
8  Horizontal       Other (**Describe**): \_\_\_\_\_

9 If there is an obstruction to vertical flow, is the obstruction a:       Rain Cap  
10  Flapper-Type Valve (Open when there is flow)       Other (**Describe**): \_\_\_\_\_

11 **Volume Source:** If emissions are from a volume source, describe how the emitted gases, vapors, and/or  
12 particles get into the air and either the size of the opening (example - 3 ft x 4 ft window) that results in release or  
13 the approximate size of the release zone (example - paint spraying, 2' x 2' x 2' bread boxes): \_\_\_\_\_  
14 \_\_\_\_\_  
15 \_\_\_\_\_

16 Lateral dimension (ft): \_\_\_\_\_ Vertical dimension (ft): \_\_\_\_\_

17 Please provide the following **STACK** or **RELEASE POINT** information (where applicable):

Parameter	Emission Point #1	Emission Point #2	Emission Point #3
Height of release above ground (ft)	11'		
Stack Diameter (ft)	5"		
Exhaust Gas Temperature* (°F)	1025°F		
Exhaust Gas Flow (acfm or fps)	3575cfm		
Distance to Property Line (+/- 10 ft)	30'		

\* Use "70 °F" or "Ambient" if unknown

18 **FACILITY SITE MAP, PLOT PLAN, and RELEASE POINT INFORMATION**

19 Please provide a copy of a **Thomas Bros. Map** showing the location of your facility.

20 Please also provide a **facility plot plan** showing the location of emission release point(s) at the facility, property  
21 lines, and the location (include approximate distance) and dimensions of buildings (estimated height, width, and  
22 length) closer than 100 ft from the release point.

23 Where is the subject release point located with respect to onsite buildings? Check Any Applicable

24  On top of a building: Building Height \_\_\_\_\_ ft Width \_\_\_\_\_ ft Length \_\_\_\_\_ ft

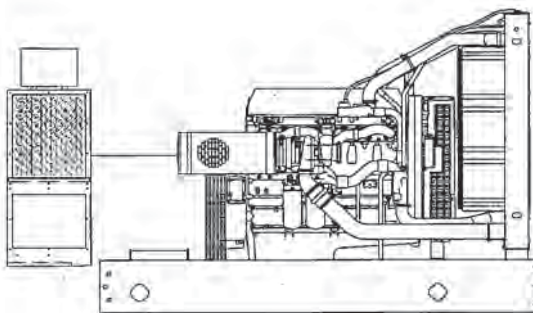
25  On the side of a building: Diameter of Opening \_\_\_\_\_ ft or Size of Opening \_\_\_\_\_ ft X \_\_\_\_\_ ft

26  Adjacent to a building: Building Height 25 ft Width 50 ft Length 100 ft



**Ratings Range**

			<b>60 Hz</b>
<b>Standby:</b>	<b>kW</b>	350-425	
	<b>kVA</b>	438-531	
<b>Prime:</b>	<b>kW</b>	325-385	
	<b>kVA</b>	406-481	



**Generator Set Ratings**

Alternator	Voltage	Ph	Hz	150°C	130°C	125°C	105°C	
				Rise Standby Rating	Rise Standby Rating	Rise Prime Rating	Rise Prime Rating	
				kW/kVA	kW/kVA	kW/kVA	kW/kVA	
4M4019	120/208	3	60	360/450	350/438	350/438	325/406	
	127/220	3	60	375/469	360/450	360/450	335/419	
	139/240	3	60	415/519	375/469	375/469	350/438	
	240/416	3	60	360/450	350/438	350/438	325/406	
	277/480	3	60	415/519	375/469	375/469	350/438	
4M4021	120/208	3	60	395/494	370/463	365/456	345/431	
	127/220	3	60	410/513	390/488	375/469	360/450	
	139/240	3	60	420/525	405/506	380/475	380/475	
	240/416	3	60	395/494	370/463	365/456	345/431	
	277/480	3	60	420/525	405/506	380/475	380/475	
5M4024	120/208	3	60	415/519	415/519	375/469	375/469	
	127/220	3	60	415/519	415/519	375/469	375/469	
	139/240	3	60	420/525	420/525	380/475	380/475	
	220/380	3	60	400/500	400/500	365/456	365/456	
	240/416	3	60	415/519	415/519	375/469	375/469	
5M4027	277/480	3	60	420/525	420/525	380/475	380/475	
	120/208	3	60	420/525	420/525	380/475	380/475	
	127/220	3	60	420/525	420/525	380/475	380/475	
	139/240	3	60	420/525	420/525	380/475	380/475	
	220/380	3	60	405/506	405/506	370/463	370/463	
5M4160	240/416	3	60	420/525	420/525	380/475	380/475	
	277/480	3	60	420/525	420/525	380/475	380/475	
	220/380	3	60	420/525	420/525	380/475	380/475	
	5M4162	220/380	3	60	420/525	420/525	380/475	380/475
	4M4266	347/600	3	60	420/525	400/500	380/475	375/469
5M4272	347/600	3	60	425/531	425/531	385/481	385/481	

**Standard Features**

- Kohler Co. provides one-source responsibility for the generating system and accessories.
- The generator set and its components are prototype-tested, factory-built, and production-tested.
- The 60 Hz generator set offers a UL 2200 listing.
- The generator set complies with ISO 8528-5, Class G3, requirements for transient performance.
- The generator set accepts rated load in one step.
- The 60 Hz generator set meets NFPA 110, Level 1, when equipped with the necessary accessories and installed per NFPA standards.
- The 60 Hz generator set engine is certified by the Environmental Protection Agency (EPA) to conform to Tier 3 nonroad emissions regulations.
- A one-year limited warranty covers all systems and components. Two-, five-, and ten-year extended warranties are also available.
- Alternator features:
  - The pilot-excited, permanent-magnet (PM) alternator provides superior short-circuit capability.
  - The brushless, rotating-field alternator has broadrange reconnectability.
- Other features:
  - Controllers are available for all applications. See controller features inside.
  - The low coolant level shutdown prevents overheating (standard on radiator models only).
  - Integral vibration isolation eliminates the need for under-unit vibration spring isolators.
  - An electronic, isochronous governor delivers precise frequency regulation.
  - Electronic engine controls manage the engine.

**RATINGS:** All three-phase units are rated at 0.8 power factor. **Standby Ratings:** Standby ratings apply to installations served by a reliable utility source. The standby rating is applicable to varying loads for the duration of a power outage. There is no overload capability for this rating. Ratings are in accordance with ISO-3046/1, BS 5514, AS 2789, and DIN 6271. **Prime Power Ratings:** Prime power ratings apply to installations where utility power is unavailable or unreliable. At varying load, the number of generator set operating hours is unlimited. A 10% overload capacity is available for one hour in twelve. Ratings are in accordance with ISO-8528/1, overload power in accordance with ISO-3046/1, BS 5514, AS 2789, and DIN 6271. For limited running time and base load ratings, consult the factory. Obtain the technical information bulletin (TIB-101) on ratings guidelines for the complete ratings definitions. The generator set manufacturer reserves the right to change the design or specifications without notice and without any obligation or liability whatsoever. **GENERAL GUIDELINES FOR DERATION:** **Altitude:** Derate 1.5% per 305 m (1000 ft.) elevation above 183 m (600 ft.) up to a maximum elevation of 3660 m (12000 ft.). **Temperature:** Derate 1.0% per 5.5°C (10°F) temperature above 25°C (77°F). For radiator cooling system capacity, derate 1.4°C (2.5°F) per 305 m (1000 ft.) elevation above 183 m (600 ft.).

# Alternator Specifications

Specifications	Alternator
Type	4-Pole, Rotating Field
Exciter type	Brushless, Permanent-Magnet, Pilot Exciter
Voltage regulator	Solid State, Volts/Hz
Insulation:	NEMA MG1
Material	Class H, Synthetic, Nonhygroscopic
Temperature rise	130°C, 150°C Standby
Bearing: quantity, type	1, Sealed
Coupling	Flexible Disc
Amortisseur windings	Full
Rotor balancing	125%
Voltage regulation, no-load to full-load (with 0.5% drift due to temp. variation)	3-Phase Sensing, $\pm 0.25\%$
One-step load acceptance	100% of Rating
Unbalanced load capability	100% of Rated Standby Current
Peak motor starting kVA:	(35% dip for voltages below)
480 V	4M4019 (12 lead) 1325
480 V	4M4021 (12 lead) 1350
480 V	5M4024 (10 lead) 1350
480 V	5M4027 (12 lead) 1550
380 V	5M4160 (4 lead) 1175
380 V	5M4162 (4 lead) 2100
600 V	4M4266 (4 lead) 1300
600 V	5M4272 (4 lead) 1750

- NEMA MG1, IEEE, and ANSI standards compliance for temperature rise and motor starting.
- Sustained short-circuit current of up to 300% of the rated current for up to 10 seconds.
- Sustained short-circuit current enabling downstream circuit breakers to trip without collapsing the alternator field.
- Self-ventilated and dripproof construction.
- Superior voltage waveform from two-thirds pitch windings and skewed stator.
- Digital solid-state, volts-per-hertz voltage regulator with  $\pm 0.25\%$  no-load to full-load regulation.
- Brushless alternator with brushless pilot exciter for excellent load response.

## Application Data

### Engine

Engine Specifications	
Manufacturer	Detroit Diesel
Engine: model, type	S60, 4-Cycle Turbocharged, Charge Air-Cooled
Cylinder arrangement	6, Inline
Displacement, L (cu. in.)	14.0 (855)
Bore and stroke, mm (in.)	133 x 168 (5.24 x 6.61)
Compression ratio	16.0:1
Piston speed, m/min. (ft./min.)	604 (1980)
Main bearings: quantity, type	7, Precision Half-Shell
Rated rpm	1800
Max. power at rated rpm, kWm (BHP)	474 (635)
Cylinder head material	Cast Iron
Crankshaft material	Forged Steel
Valve material:	
Intake	Iron-Based Seat
Exhaust	Nickel-Based Seat
Governor: type, make/model	DDEC Electronic Control
Frequency regulation, no-load to full-load	Isochronous
Frequency regulation, steady state	$\pm 0.25\%$
Frequency	Fixed
Air cleaner type, all models	Dry

### Exhaust

Exhaust System	
Exhaust flow at rated kW, m <sup>3</sup> /min. (cfm)	101.2 (3575)
Exhaust temperature at rated kW, dry exhaust, °C (°F)	552 (1025)
Maximum allowable back pressure, kPa (in. Hg)	10.2 (3.0)
Engine exhaust outlet size, mm (in.)	See ADV Drawing

### Engine Electrical

Engine Electrical System	
Battery charging alternator:	
Ground (negative/positive)	Negative
Volts (DC)	24
Ampere rating	40
Starter motor rated voltage (DC)	24
Battery, recommended cold cranking amps (CCA):	
Qty., CCA rating each	Two, 950
Battery voltage (DC)	12

### Fuel

Fuel System	
Fuel supply line, min. ID, mm (in.)	13 (0.50)
Fuel return line, min. ID, mm (in.)	8 (0.31)
Max. lift, engine-driven fuel pump, m (ft.)	2.1 (6.8)
Max. fuel flow, Lph (gph)	335 (88.5)
Fuel prime pump	N/A
Fuel filter: quantity, type	2, Primary/Secondary
Recommended fuel	#2 Diesel

### Lubrication

Lubricating System	
Type	Full Pressure
Oil pan capacity, L (qt.)	30 (32)
Oil pan capacity with filter, L (qt.)	36 (38)
Oil filter: quantity, type	2, Cartridge
Oil cooler	Water-Cooled

## Application Data

### Cooling

Radiator System	
Ambient temperature, °C (°F)	40 (104)
Engine jacket water capacity; L (gal.)	22.7 (6.0)
Radiator system capacity, including engine, L (gal.)	45.4 (12)
Engine jacket water flow, Lpm (gpm)	363 (96)
Heat rejected to cooling water at rated kW, dry exhaust, kW (Btu/min.)	154 (8750)
Heat rejected to air charge cooler at rated kW, dry exhaust, kW (Btu/min.)	110 (6235)
Water pump type	Centrifugal
Fan diameter, including blades, mm (in.)	965 (38)
Fan, kWm (HP)	22 (30)
Max. restriction of cooling air, intake and discharge side of radiator, kPa (in. H <sub>2</sub> O)	0.125 (0.5)

High Ambient Radiator System	
Ambient temperature, °C (°F)	50 (122)
Engine jacket water capacity, L (gal.)	22.7 (6.0)
Radiator system capacity, including engine, L (gal.)	94.6 (25)
Engine jacket water flow, Lpm (gpm)	363 (96)
Heat rejected to cooling water at rated kW, dry exhaust, kW (Btu/min.)	154 (8750)
Heat rejected to air charge cooler at rated kW, dry exhaust, kW (Btu/min.)	110 (6235)
Water pump type	Centrifugal
Fan diameter, including blades, mm (in.)	1118 (44)
Fan, kWm (HP)	25 (33)
Max. restriction of cooling air, intake and discharge side of radiator, kPa (in. H <sub>2</sub> O)	0.125 (0.5)

### Operation Requirements

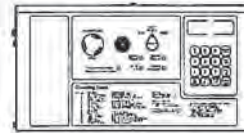
Air Requirements	
Radiator-cooled cooling air, m <sup>3</sup> /min. (scfm)*	561 (19800)
High ambient radiator-cooled cooling air, m <sup>3</sup> /min. (scfm)*	708 (25000)
Combustion air, m <sup>3</sup> /min. (cfm)	37 (1290)
Heat rejected to ambient air:	
Engine, kW (Btu/min.)	102 (5800)
Alternator, kW (Btu/min.)	33 (1877)

\* Air density = 1.20 kg/m<sup>3</sup> (0.075 lbm/ft<sup>3</sup>)

### Fuel Consumption

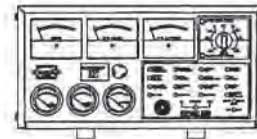
Diesel, Lph (gph) at % load	Standby Rating
100%	120.8 (31.9)
75%	93.5 (24.7)
50%	62.8 (16.6)
25%	33.3 (8.8)
Diesel, Lph (gph) at % load	Prime Rating
100%	107.9 (28.5)
75%	81.0 (21.4)
50%	54.9 (14.5)
25%	29.1 (7.7)

### Controllers



#### Decision-Maker™ 550 Controller

Audiovisual annunciation with NFPA 110 Level 1 capability. Programmable microprocessor logic and digital display features. Alternator safeguard circuit protection. 12- or 24-volt engine electrical system capability. Remote start, remote annunciation, and remote communication options. Refer to G6-46 for additional controller features and accessories.



#### Decision-Maker™ 3+, 16-Light Controller

Audiovisual annunciation with NFPA 110 Level 1 capability. Microprocessor logic, AC meters, and engine gauge features. 12- or 24-volt engine electrical system capability. Remote start, prime power, and remote annunciation options. Refer to G6-30 for additional controller features and accessories.

## Standard Features

- Alternator Protection (standard with 550 controller)
- Battery Rack and Cables
- Electronic, Isochronous Governor
- Oil Drain Extension

## Available Accessories

### Enclosed Unit

- Sound Enclosure
- Weather Enclosure
- Weather Housing

### Open Unit

- Exhaust Silencer, Hospital (kit: PA-354905)
- Exhaust Silencer, Critical (kit: PA-354880)
- Flexible Exhaust Connector, Stainless Steel

### Cooling System

- Block Heater
- High Ambient Radiator
- Radiator Duct Flange

### Fuel System

- Flexible Fuel Lines
- Fuel Pressure Gauge
- Fuel/Water Separator with Prime Feature
- Hand Primer Pump
- Subbase Fuel Tanks
- Subbase Fuel Tank with Day Tank

### Electrical System

- Battery
- Battery Charger, Equalize/Float Type
- Battery Heater

### Engine and Alternator

- Air Cleaner, Heavy Duty
- Air Cleaner Restriction Indicator
- Alternator Strip Heater
- Bus Bar Kits
- Crankcase Emission Canister
- Line Circuit Breaker (NEMA1 enclosure)
- Line Circuit Breaker with Shunt Trip (NEMA1 enclosure)
- Optional Alternators
- Rated Power Factor Testing
- Safeguard Breaker (not available with 550 controller)
- Skid End Caps

## Paralleling System

- Reactive Droop Compensator
- Voltage Regulator Relocation Kit

## Maintenance and Literature

- General Maintenance Literature Kit
- Maintenance Kit (includes air, oil, and fuel filters)
- NFPA 110 Literature
- Overhaul Literature Kit
- Production Literature Kit

## Controller

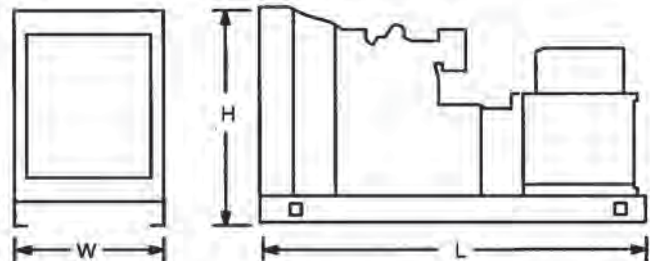
- Common Failure Relay Kit
- Communications Products and PC Software (550 controller only)
- Customer Connection Kit
- Dry Contact Kit (isolated alarm)
- Engine Prealarm Sender Kit
- Remote Annunciator Panel
- Remote Audiovisual Alarm Panel
- Remote Emergency Stop Kit
- Remote Mounting Cable
- Run Relay Kit

## Miscellaneous Accessories

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

## Dimensions and Weights

Overall Size, L x W x H, mm (in.): 3680 x 1325 x 2008  
 (144.9 x 52.2 x 79.0)  
 Weight (radiator model), wet, kg (lb.): 3266 (7200)



NOTE: This drawing is provided for reference only and should not be used for planning installation. Contact your local distributor for more detailed information.

**DISTRIBUTED BY:**

# MTU DIESEL GENERATOR SET EMISSIONS DATA



KOHLER GENSET MODEL	ENGINE MODEL	POWER bhp @ (RPM)	CO g/kW-hr	HC g/kW-hr	NO <sub>x</sub> g/kW-hr	HC + NO <sub>x</sub> g/kW-hr	Particulates
<b>SERIES 60</b>							
400REOZDD	6063HV35	635 @ 1800	1.31	0.16	3.40	3.56	0.179



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
OFFICE OF TRANSPORTATION AND AIR QUALITY  
WASHINGTON, DC 20460



CERTIFICATE OF CONFORMITY  
2010 MODEL YEAR

Manufacturer: **DETROIT DIESEL CORPORATION**  
Engine Family: **ADDXL14.0VLD**  
Certificate Number: **DDX-NRCI-10-05**  
Intended Service Class: **NR (225-560)**  
Fuel Type: **DIESEL**  
FELs: **NMHC +NOx: N/A      NOx: N/A      PM: N/A**  
Effective Date: **12/16/2009**  
Date Issued: **12/16/2009**

Karl J. Simon, Director  
Compliance and Innovative Strategies Division  
Office of Transportation and Air Quality

Pursuant to Section 111 and Section 213 of the Clean Air Act (42 U.S.C. sections 7411 and 7547) and 40 CFR Part 60 and Part 89, and subject to the terms and conditions prescribed in those provisions, this certificate of conformity is hereby issued with respect to the test engines which have been found to conform to applicable requirements and which represent the following stationary and nonroad engines, by engine family, more fully described in the documentation required by 40 CFR Part 60 and 89, and produced in the stated model year.

This certificate of conformity covers only those new stationary and nonroad compression-ignition engines which conform in all material respects to the design specifications that applied to those engines described in the documentation required by 40 CFR Part 60 and 89 and which are produced during the model year stated on this certificate of the said manufacturer, as defined in 40 CFR Part 60 and 89.

It is a term of this certificate that the manufacturer shall consent to all inspections described in 40 CFR 89.129-96 and 89.506-96 and authorized in a warrant or court order. Failure to comply with the requirements of such a warrant or court order may lead to a revocation or suspension of this certificate for reasons specified in 40 CFR Part 89. It is also a term of this certificate that this certificate may be revoked or suspended or rendered void ab initio for other reasons specified in 40 CFR Part 89.

This certificate does not cover stationary and nonroad engines sold, offered for sale, or introduced, or delivered for introduction, into commerce in the U.S. prior to the effective date of the certificate.



Pursuant to the authority vested in the Air Resources Board by Sections 43013, 43018, 43101, 43102, 43104 and 43105 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-02-003;

**IT IS ORDERED AND RESOLVED:** That the following compression-ignition engines and emission control systems produced by the manufacturer are certified as described below for use in off-road equipment. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	DISPLACEMENT (liters)	FUEL TYPE	USEFUL LIFE (hours)
2010	ADDXL14.0VLD	14	Diesel	8,000
<b>SPECIAL FEATURES &amp; EMISSION CONTROL SYSTEMS</b>			<b>TYPICAL EQUIPMENT APPLICATION</b>	
Electronic Direct Injection, Turbocharger, Charge Air Cooler, Electronic Control Module, Exhaust Gas Recirculation			Crane, Loader, Tractor, Dozer, Pump, Compressor, Generator Set	

The engine models and codes are attached.

The following are the exhaust certification standards (STD) and certification levels (CERT) for hydrocarbon (HC), oxides of nitrogen (NOx), or non-methane hydrocarbon plus oxides of nitrogen (NMHC+NOx), carbon monoxide (CO), and particulate matter (PM) in grams per kilowatt-hour (g/kW-hr), and the opacity-of-smoke certification standards and certification levels in percent (%) during acceleration (Accel), lugging (Lug), and the peak value from either mode (Peak) for this engine family (Title 13, California Code of Regulations, (13 CCR) Section 2423):

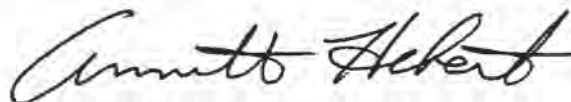
RATED POWER CLASS	EMISSION STANDARD CATEGORY		EXHAUST (g/kW-hr)					OPACITY (%)		
			HC	NOx	NMHC+NOx	CO	PM	ACCEL	LUG	PEAK
130 ≤ kW < 560	Tier 3	STD	N/A	N/A	4.0	3.5	0.20	20	15	50
		CERT	--	--	3.8	1.1	0.18	18	1	22

**BE IT FURTHER RESOLVED:** That for the listed engine models, the manufacturer has submitted the information and materials to demonstrate certification compliance with 13 CCR Section 2424 (emission control labels), and 13 CCR Sections 2425 and 2426 (emission control system warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

**This Executive Order is only granted to the engine family and model-year listed above. Engines in this family that are produced for any other model-year are not covered by this Executive Order.**

Executed at El Monte, California on this 29 day of December 2009.



Annette Hebert, Chief  
 Mobile Source Operations Division

# Engine Model Summary Template

U-R-007-0114

## ATTACHMENT 1 OF 2

1. Engine Code    2. Engine Model    3. BHP@RPM (SAE Gross)    4. Fuel Rate: mm/stroke @ peak HP (for diesel only)    5. Fuel Rate: (br/hr) @ peak HP (for diesel only)    6. Torque @ RPM (SEA Gross)    7. Fuel Rate: mm/stroke@peak torque    8. Fuel Rate: (br/hr)@peak torque Device Per SAE J1930    9. Emission Control

Engine Family	1. Engine Code	2. Engine Model	3. BHP@RPM (SAE Gross)	4. Fuel Rate: mm/stroke @ peak HP (for diesel only)	5. Fuel Rate: (br/hr) @ peak HP (for diesel only)	6. Torque @ RPM (SEA Gross)	7. Fuel Rate: mm/stroke@peak torque	8. Fuel Rate: (br/hr)@peak torque Device Per SAE J1930	9. Emission Control
ADDXL14.0VLD	5584	variable speed	525 @ 2100	266.8	186.3	1750 @ 1350	340.6	152.9	EC TAA EGR, DDC
ADDXL14.0VLD	5586	(low smoke)	533 @ 2000	282.9	188.2	1750 @ 1350	340.6	152.9	(all ratings)
ADDXL14.0VLD	5588		550 @ 2100	281.1	196.3	1750 @ 1350	340.6	152.9	
ADDXL14.0VLD	5590		600 @ 2100	307.3	214.6	1900 @ 1350	360.6	161.9	
ADDXL14.0VLD	5592		600 @ 2300	282.8	216.3	1900 @ 1350	360.6	161.9	
ADDXL14.0VLD	5594		630 @ 2100	318.1	222.2	1900 @ 1350	360.6	161.9	
ADDXL14.0VLD	5596	V	496 665 @ 2300	306.0	234.1	1900 @ 1350	360.6	161.9	
ADDXL14.0VLD	5585	variable speed	525 @ 2100	266.8	186.3	1750 @ 1350	340.6	152.9	
ADDXL14.0VLD	5587	(high smoke)	533 @ 2000	282.9	188.2	1750 @ 1350	340.6	152.9	
ADDXL14.0VLD	5589		550 @ 2100	281.1	196.3	1750 @ 1350	340.6	152.9	
ADDXL14.0VLD	5591		600 @ 2100	307.3	214.6	1900 @ 1350	360.6	161.9	
ADDXL14.0VLD	5593		600 @ 2300	282.8	216.3	1900 @ 1350	360.6	161.9	
ADDXL14.0VLD	5595		630 @ 2100	318.1	222.2	1900 @ 1350	360.6	161.9	
ADDXL14.0VLD	5597	V	665 @ 2300	306.0	234.1	1900 @ 1350	360.6	161.9	
ADDXL14.0VLD	5531	constant speed	415 @ 1800	248.4	148.7	NA	NA	NA	
ADDXL14.0VLD	5532		455 @ 1800	274.8	164.5	NA	NA	NA	
ADDXL14.0VLD	5533		490 @ 1800	298.5	178.7	NA	NA	NA	
ADDXL14.0VLD	5534		550 @ 1800	327.2	195.9	NA	NA	NA	
ADDXL14.0VLD	5535		635 @ 1800	371.8	222.6	NA	NA	NA	
ADDXL14.0VLD	5536	V	511 685 @ 1800	409.8	245.3	NA	NA	NA	

U-R-007-0114

Engine Model Summary Template

ATTACHMENT 2 OF 2

Engine Family    1.Engine Code    2.Engine Model    3.BHP@RPM (SAE Gross)    4.Fuel Rate: mm<sup>3</sup>/stroke @ peak HP (for diesel only)    5.Fuel Rate: (bse/hr) @ peak HP (for diesel only)    6.Torque @ RPM (SEA Gross)    7.Fuel Rate: mm<sup>3</sup>/stroke@peak torque    8.Fuel Rate: (bse/hr)@peak torque/Device Per SAE J1930    9.Emission Control

Engine Family	1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: mm <sup>3</sup> /stroke @ peak HP (for diesel only)	5.Fuel Rate: (bse/hr) @ peak HP (for diesel only)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mm <sup>3</sup> /stroke@peak torque	8.Fuel Rate: (bse/hr)@peak torque/Device Per SAE J1930	9.Emission Control
ADDXL14.0VLD	5513	variable speed	274 300 @ 2100	169.5	118.4	1050 @ 1350	218.2	97.9	EC TAA EGR $\uparrow$ $\downarrow$ $\downarrow$
ADDXL14.0VLD	5514		325 @ 2100	182.8	127.7	1150 @ 1350	236.9	106.3	(all ratings)
ADDXL14.0VLD	5515		350 @ 2100	196.9	137.5	1350 @ 1350	278.3	124.9	
ADDXL14.0VLD	5516		375 @ 2100	204.1	142.5	1350 @ 1350	278.3	124.9	
ADDXL14.0VLD	5518		400 @ 2000	223.5	148.6	1445 @ 1200	280.3	111.9	
ADDXL14.0VLD	5517		400 @ 2100	218.0	152.3	1400 @ 1350	281.2	126.2	
ADDXL14.0VLD	5519		425 @ 2100	233.1	162.8	1475 @ 1350	312.2	140.1	
ADDXL14.0VLD	5520		450 @ 2000	252.0	167.6	1548 @ 1200	300.8	120.0	
ADDXL14.0VLD	5521		450 @ 2100	249.1	174.0	1550 @ 1350	329.8	148.0	
ADDXL14.0VLD	5522		475 @ 2100	263.2	183.8	1550 @ 1350	329.8	148.0	
ADDXL14.0VLD	5523	V	500 @ 2100	276.8	193.3	1550 @ 1350	329.8	148.0	



**CERTIFIED EQUIPMENT PERMIT**  
**(NOT A PERMIT TO CONSTRUCT OR OPERATE)**

Expires on December 31, 2010

**Legal Owner  
or Operator:**

DETROIT DIESEL CORPORATION  
13400 W. OUTER DRIVE  
DETROIT, MI 48239-4001  
ATTN: JOHN W. DUERR

**ID 101173**

**Equipment Location:** SAME AS ABOVE

The equipment described below and as shown on the approved plans and specifications are subject to the special condition or conditions listed.

**Equipment Description**

INTERNAL COMBUSTION ENGINE, DETROIT DIESEL, 6 CYLINDER, TURBOCHARGED, AFTERCOOLED, MODEL 6063-HV35, 635 BHP (474 KW), DIESEL-FUELED, DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

**Manufacturer Condition**

1. THIS CERTIFIED EQUIPMENT PERMIT SHALL NOT RELIEVE THE PERSON CONSTRUCTING, INSTALLING OR OPERATING THE EQUIPMENT AT EACH SPECIFIC SITE FROM THE REQUIREMENT TO OBTAIN ALL NECESSARY PERMITS TO CONSTRUCT AND OPERATE OR, FROM COMPLIANCE WITH ANY OTHER DISTRICT RULES INCLUDING THE REQUIREMENTS OF REGULATION XIII.

**End User Conditions**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITIONS AT ALL TIMES.
3. A NON-RESETTABLE TOTALIZING TIMER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
4. AN ENGINE OPERATING LOG SHALL BE KEPT AND MAINTAINED ON FILE TO RECORD WHEN THIS ENGINE IS STARTED MANUALLY. THE LOG SHALL LIST THE DATE OF OPERATION, THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION, AND THE REASON FOR OPERATION FOR A MINIMUM OF THREE YEARS FROM THE DATE OF ENTRY AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL

**ORIGINAL**



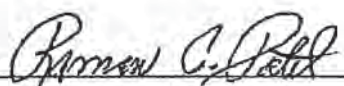
**CERTIFIED EQUIPMENT PERMIT  
(NOT A PERMIT TO CONSTRUCT OR OPERATE)**

- HOURS OF OPERATION (INCLUDING HOURS FOR MANUAL AND AUTOMATIC OPERATION) SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.
5. THIS ENGINE SHALL NOT OPERATE MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.
  6. THE OPERATOR SHALL NOT PURCHASE ANY DIESEL FUEL UNLESS THE FUEL IS LOW SULFUR DIESEL FOR WHICH THE SULFUR CONTENT DOES NOT EXCEED 15 PPM BY WEIGHT. EFFECTIVE JANUARY 1, 2006, THE OPERATOR SHALL ONLY USE DIESEL FUEL WITH A SULFUR CONTENT THAT DOES NOT EXCEED 15 PPM BY WEIGHT, UNLESS THE OPERATOR DEMONSTRATES IN WRITING TO THE EXECUTIVE OFFICER THAT SPECIFIC ADDITIONAL TIME IS NECESSARY.
  7. OPERATION BEYOND THE 50 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT: (A) THE UTILITY DISTRIBUTION COMPANY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME; AND (B) THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.
  8. THIS ENGINE SHALL BE A US EPA CERTIFIED, NON-ROAD COMPRESSION-IGNITION ENGINE, AS EVIDENCED BY THE MANUFACTURER'S ENGINE TAG.

Please notify Raman Patel at 909/396-2466 when SCAQMD information packets are needed or if you have any questions concerning the Certification/Registration Program.

This Certified Equipment Permit is based on the plans, specifications, and data submitted as it pertains to the release of air contaminants and control measures to reduce air contaminants. No approval or opinion concerning safety and other factors in design, construction or operation of the equipment is expressed or implied.

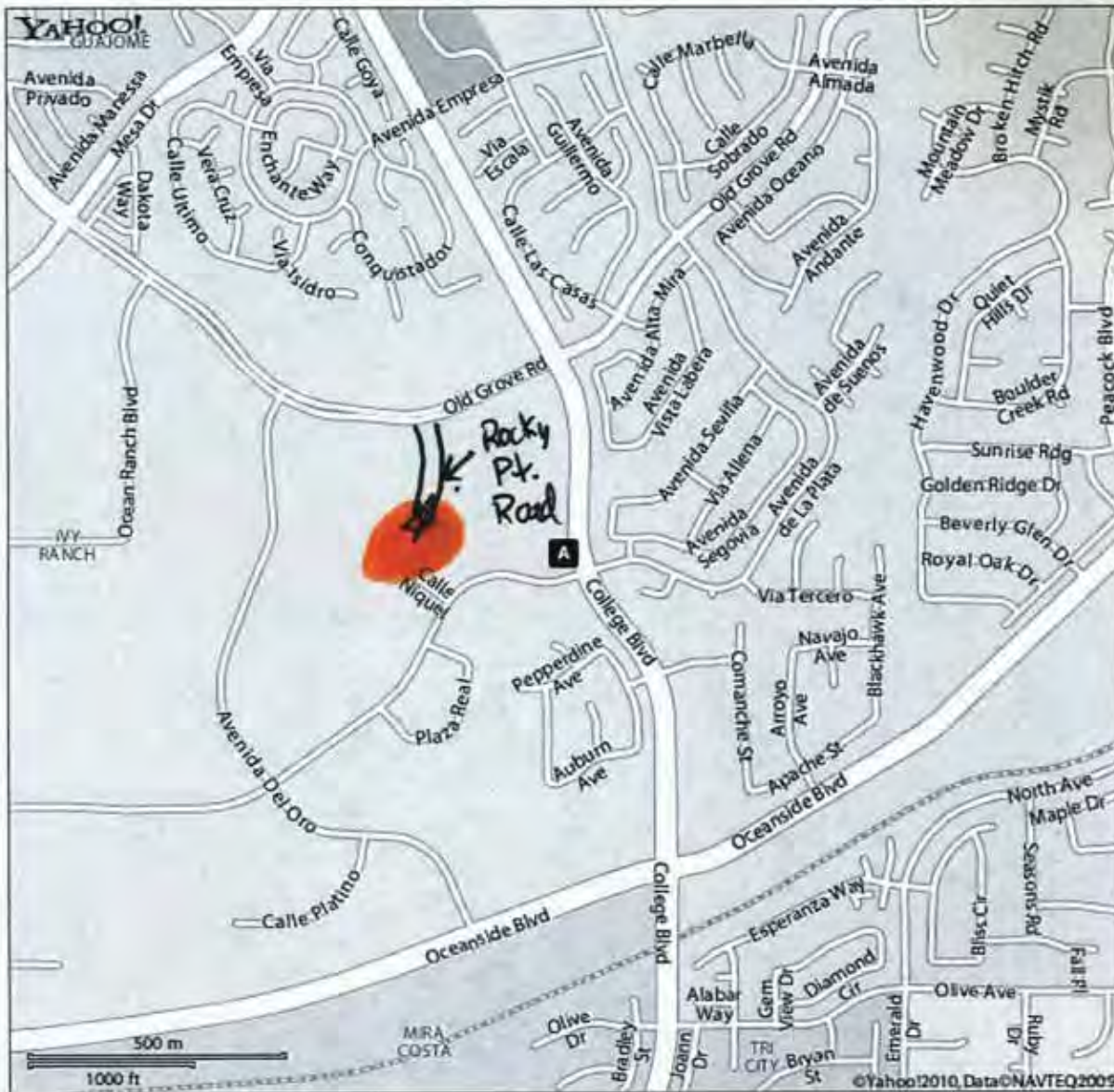
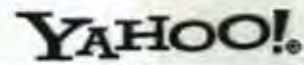
This Certified Equipment Permit will become invalid if this application is canceled. THIS PERMIT SHALL EXPIRE ON DECEMBER 31, 2010 unless an extension is granted by the Executive Officer.

By   
RAMAN C. PATEL, P.E.  
Senior Air Quality Engineer

ORIGINAL



Map of 33.213421,-117.28727



Your Points of Interest

1. <b>Pacific Marine Credit Union</b> Phone: (800) 736-4500 550 Hacienda Dr Vista, CA 92081
2. <b>Pacific Marine Credit Union - ATM</b> 550 Hacienda Dr Vista, CA 92081
3. <b>Pacific Marine Credit Union Camp Pendleton</b> Phone: (760) 430-7511 2454 Vista Way Oceanside, CA 92054
4. <b>Pacific Marine Credit Union - ATM</b> 2454 Vista Way Oceanside, CA 92054

When using any driving directions or map, it's a good idea to do a reality check and make sure the road still exists, watch out for construction, and follow all traffic safety precautions. This is only to be used as an aid in planning.

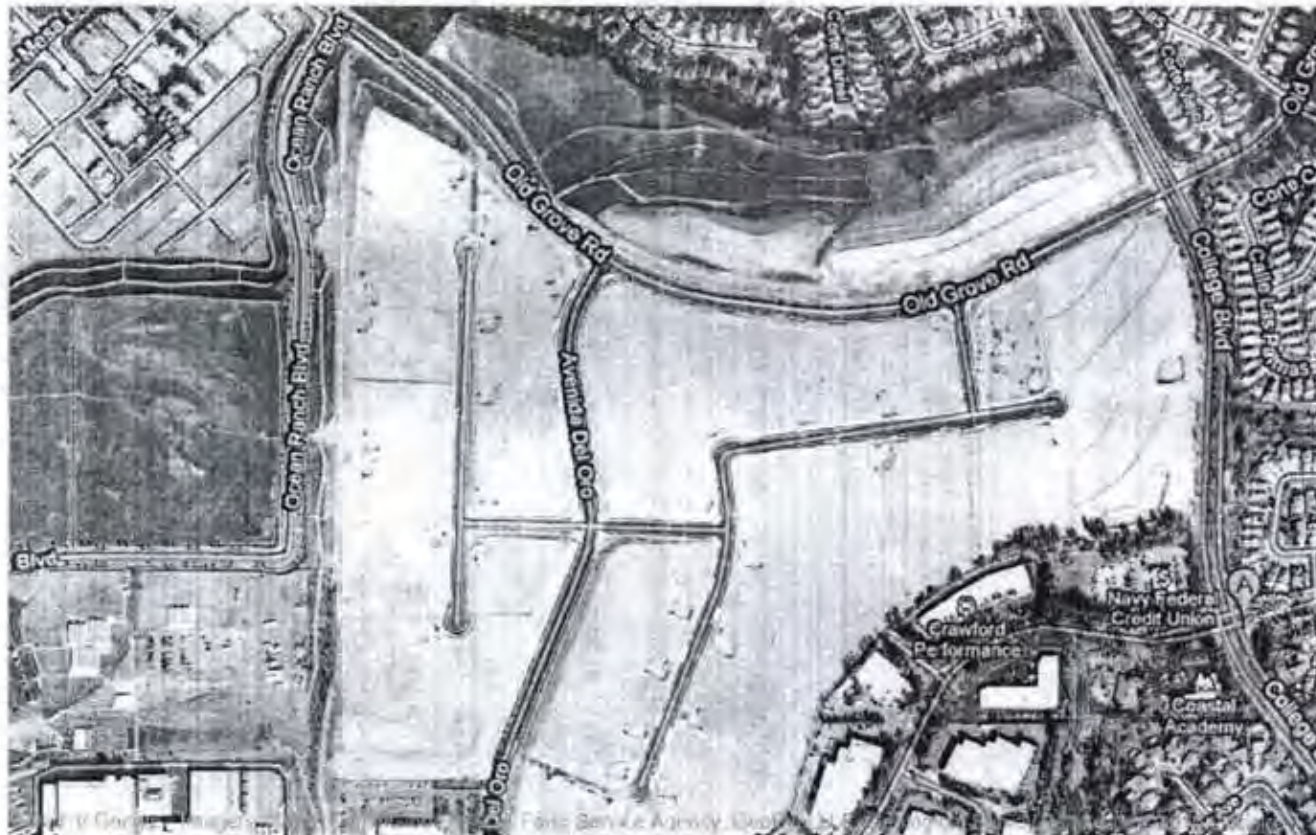
Google maps

Address

To see all the details that are visible on the screen, use the "Print" link next to the map.

[Get Directions](#) [My Maps](#)

[Print](#) [Send](#) [Link](#)



1278 Roc... | 1278 Roc... | 1278 Roc... | 1278 Roc...

**ENGINEERING EVALUATION  
PERMIT TO OPERATE**

Facility Name: Pacific Marine Credit Union  
Application Number: 001030  
Equipment Type: Emergency Backup Generator  
Facility ID: 00347  
Equipment Address: 1278 Rocky Point Dr, Oceanside, 92056  
Facility Contact: Delores Vandenburg  
Contact Title: Pacific Marine - Facilities Manager  
Contact Phone: 760-716-7246 cell, 760-430-6001 office

Permit Engineer: Sharen Eden  
Date Construction Completion Received: 8-4-10 for 8-4-10 complete  
Date of Inspection: 8-31-10  
Date S/A issued: 8-31-10  
Date P/O Evaluation Completed: 9-3-10 Swanick  
Senior Engineer Approval: \_\_\_\_\_

**7.0 INSPECTION REPORT**

An inspection was performed on this emergency back-up generator in accordance with District procedure as described below and on attached documents.

- Reviewed site contact info. and advised how to change -via Permit Processing
- Reviewed drafted P/O conditions with Delores Vandenburg
- Hour meter reading 4.5 (start) 4.6 (end)
- Visible Emissions Evaluation Passing? (Y/N)
- Log book(s) reviewed (record test run)
- Maintenance manual available
- A/C available
- S/A issued
- Verified equipment desc.; Corrections Found? (Y/N) (See Notes/ Attachments)
- Change in equipment description noted on S/A

Time charged to "Filed Inspection" in BCMS = \_\_\_\_\_

**Notes/Issues**

No separate Detroit Diesel Engine Nameplate was found containing the exact engine model number shown on the A/C (6063 HV35) or the rated BHP = 635 hp. However the Family No. on the Emissions Sticker was verified, and the "Series 60" model number was observed on a sticker and on the emissions sticker. (The "max advertised" power on the emissions sticker = 685 hp)  
The engine S/N on the CCN is correct = 06R1038264.

6 mo. Approved SA issued on site.

**8.0 RECOMMENDED P/O CONDITIONS**

Standard BEC CON-000158 (see attached PO) with the same conditions as the Authority to Construct is recommended.





Sectors: 1, C  
Site Record ID: APCD2010-SITE-00347  
Application Record ID: APCD2010-APP-001030

PERMIT RECORD ID  
APCD2010-PTO-000636  


Pacific Marine Credit Union  
Dolores Vandenberg  
1278 Rocky Point Drive  
Oceanside CA, 92056

EQUIPMENT ADDRESS  
Pacific Marine Credit Union  
General Manager  
1278 Rocky Point Dr  
Oceanside CA 92056

**PERMIT TO OPERATE**  
**EXPIRES: September 30, 2015**

This permit is not valid until required fees have been paid.

The above is hereby granted a Permit To Operate the article, machine, equipment or contrivance described below. This permit is not transferable to a new owner nor is it valid for operation of the equipment at another location except as specified. This Permit To Operate or copy must be posted on or within 25 feet of the equipment, or readily available on the operating premises.

**EQUIPMENT DESCRIPTION**

Emergency Engine Generator: Detroit Diesel Engine, Model 6063HV35, 635 BHP, S/N 06R1038264, Model Year 2010, Turbocharged, EPA Tier 3 Certified, Family Number ADDXL14.0VLD, driving a 400 kW generator.

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 20, 40, 50, 51.

Fee Schedules: 1 [34H] California Certified Emergency Standby Engine

BEC: APCD2010-CON-000158

**FAILURE TO OPERATE IN COMPLIANCE IS A MISDEMEANOR SUBJECT TO CIVIL AND CRIMINAL PENALTIES**

1. Engine operation for maintenance and testing purposes shall not exceed 50 hours per calendar year. (17 CCR 93115)
2. This engine shall only use CARB diesel fuel. (RULE 69.4.1, 17 CCR 93115)
3. Visible emissions including crank case smoke shall comply with Air Pollution Control District Rule 50. (Rule 50)
4. The equipment described above shall not cause or contribute to a public nuisance. (Rule 51)
5. This engine shall not operate for non-emergency use during the following periods, as applicable:
  - (a) Whenever there is any school sponsored activity, if engine is located on school grounds or
  - (b) Between 7:30am and 3:30pm on days when school is in session, if the engine is located within 500 feet of, but not on, school grounds.
 This condition shall not apply to an engine located at or near any school grounds that also serve as the students' place of residence. (17 CCR 93115)



**COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT**  
10124 OLD GROVE ROAD, SAN DIEGO, CA 92131  
PHONE (858) 586-2600 FAX (858) 586-2601  
www.sdapcd.org

**Sectors:** 1, C  
**Site Record ID:** APCD2010-SITE-00347  
**Application Record ID:** APCD2010-APP-001030

**PERMIT RECORD ID**  
APCD2010-PTO-000636



6. Engine operation in response to notification of an impending rotating outage, shall be subject to all the following restrictions:
  - (a) The utility distribution company has ordered rotating outages in the control area where the engine is located.
  - (b) The engine is operated no more than 30 minutes prior to the time when the utility distribution company officially forecasts a rotating outage in the cited control area, and
  - (c) The engine operation is terminated immediately after the utility distribution company advises that a rotating outage is no longer in effect.This condition shall not apply to engines operating pursuant to the rolling blackout reduction program as defined in 17 CCR 93115 and operating in accordance with 17 CCR 93115 (e)(2)(f). (17CCR93115)
7. A non-resettable engine hour meter shall be installed on this engine, maintained in good working order, and used for recording engine operation hours. If a meter is replaced, the Air Pollution Control District's Compliance Division shall be notified in writing within 10 calendar days. The written notification shall include the following information:
  - (a) Old meter's hour reading
  - (b) Replacement meter's manufacturer name, model and serial number if available and current hour reading on replacement meter
  - (c) Copy of receipt of new meter or of installation work order. A copy of the meter replacement notification shall be maintained onsite and made available to the Air Pollution Control District upon request.  
(Rule 69.4.1, 17 CCR 93115)
8. The owner or operator of this engine shall conduct periodic maintenance of the engine and add-on control equipment, if any, as recommended by the engine and control equipment manufacturers or as specified by the engine servicing company's maintenance procedures. The periodic maintenance shall be conducted at least once each calendar year.  
(Rule 69.4.1)
9. The owner or operator of the engine shall maintain the following records on site for at least the same period of time as the engine to which the records apply is located at the site:
  - (a) Documentation shall be maintained identifying the fuel as CARB diesel.
  - (b) Manual of recommended maintenance provided by the manufacturer, or maintenance procedures specified by the engine servicing company; and
  - (c) Records of annual engine maintenance including date the maintenance was performed.These records shall be made available to the Air Pollution Control District upon request.  
(Rule 69.4.1)(17 CCR 93115)
10. The owner or operator of this engine shall maintain a monthly operating log containing, at a minimum, the following:
  - (a) Dates and times of engine operation; whether the operation was for maintenance and testing purposes or emergency use; and the nature of the emergency, if known;
  - (b) Hours of operation for all uses other than those specified above and identification of the nature of that use.  
(Rule 69.4.1, 17 CCR 93115)
11. All operational and maintenance logs and fuel use and type and purchase records required by this permit shall be kept for a minimum of 36 months from their date of creation unless otherwise indicated by the conditions of this permit. The records shall be maintained onsite for a minimum of 24 months from their date of creation. Records for the last 24 months of operations shall be made available to the Air Pollution Control District upon request. Records for operation for the last 25 to 36 months shall be made available to the Air Pollution Control District within 5 working days of request. (69.4.1, 17 CCR 93115)
12. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District.
13. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
14. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)



**APPLICATION INFORMATION:**

Applicant: Pacific Coast Credit Union      Mailing Address: 1278 Rocky Point Drive, Oceanside  
 Application Number: Apcd2010-App-001030    ID Number: 347      Equipment Address: 1278 Rocky Point Drive, Oceanside  
 Make: Detroit Diesel      Model: 6053HV35      S/N: TBD      Family #: ADDXL14.0VLD  
 Turbocharged (y/n): y      Aftercooled (y/n):      4\* Retard (y/n):      Equipment Driven: 400KW

**EMISSION INFORMATION:**

Engine Size: 635 BHP      Fuel Usage: 31.90 gal/hr      Heating Value: 137,000 Btu/gal  
 Operating Schedule: 1 hrs/day      1 days/wk      52 wks/yr      52 days/yr      50 hrs/yr

	Emission Factors				Control Equipment	
	lbs/bhp-hr <sup>2</sup>	lb/MMBtu <sup>2</sup>	g/bhp-hr <sup>1</sup>	(lbs/bhp-hr)	Efficiency	Equipment
NOx	2.4E-02	3.10	2.54	(5.6E-03)		
CO	5.3E-03	0.81	0.98	(2.2E-03)		
SOx	4.0E-03	0.05		(0.0E+00)		
NMHC	7.3E-04	0.10	0.12	(2.6E-04)		
PM10	7.0E-04	0.07	0.13	(2.9E-04)		

- Notes: 1. g/bhp-hr guaranteed by engine manufacturer (1 g = 453.6 lbs)  
 2. other emission factors are from AP-42  
 3. lb/hp-hr limit is based on power output, lb/MMBtu is based on heat input  
 4. assume sulfur content of fuel is 0.05%

**EMISSIONS CALCULATIONS:**

**Power Output:** (manufacturer's emission factors used when available, otherwise AP-42 emission factors used)

NOx =	5.6E-03	lbs/bhp-hr	x	635	bhp	=	3.55	lbs/hr
CO =	2.2E-03	lbs/bhp-hr	x	635	bhp	=	1.37	lbs/hr
SOx =	4.0E-03	lbs/bhp-hr	x	635	bhp	=	2.54	lbs/hr
NMHC =	2.6E-04	lbs/bhp-hr	x	635	bhp	=	0.17	lbs/hr
PM10 =	2.9E-04	lbs/bhp-hr	x	635	bhp	=	0.18	lbs/hr

**Heat Input:**

NOx =	3.1E+00	lbs/MMBtu	x	0.14	MMBtu/gal	x	31.90	gal/hr	=	13.55	lbs/hr
CO =	8.1E-01	lbs/MMBtu	x	0.14	MMBtu/gal	x	31.90	gal/hr	=	3.54	lbs/hr
SOx =	5.0E-02	lbs/MMBtu	x	0.14	MMBtu/gal	x	31.90	gal/hr	=	0.22	lbs/hr
NMHC =	1.0E-01	lbs/MMBtu	x	0.14	MMBtu/gal	x	31.90	gal/hr	=	0.44	lbs/hr
PM10 =	7.0E-02	lbs/MMBtu	x	0.14	MMBtu/gal	x	31.90	gal/hr	=	0.31	lbs/hr

**Concentration:**

Calculated Fuel Usage: 225 lbs/hr (assume fuel consumption is 0.054 gal/BHP, diesel fuel density is 7.05 lb/gal)

exhaust flow rate = 142,273 dscfh (@ 15% O2, assume 9190 dscf exhaust per MMBtu heat input)

NOx =		ppm	x	142273	scfh	x	46 lbs NO2 / 385 scf =	0.00	lbs/hr
CO =		ppm	x	142273	scfh	x	28 lbs CO / 385 scf =	0.00	lbs/hr
VOC =		ppm	x	142273	scfh	x	16 lbs CH4 / 385 scf =	0.00	lbs/hr
NOx =	3.55	lbs/hr	+ 142273	scfh	x	385 scf / 46 lbs NO2 =	208.9	ppm	
CO =	1.37	lbs/hr	+ 142273	scfh	x	385 scf / 28 lbs CO =	132.3	ppm	
VOC =	0.17	lbs/hr	+ 142273	scfh	x	385 scf / 16 lbs CH4 =	28.2	ppm	

**Grain Loading:**

Calculated Fuel Usage: 225 lbs/hr (assume fuel consumption is 0.054 gal/BHP, diesel fuel density is 7.05 lb/gal)

exhaust flow rate = 51,951 dscfh (@ 12% CO2, assume engine exhaust is 231 dscf/lb fuel)

PM concentration = 0.0004 grains/dscf

**EMISSIONS SUMMARY:**

	lbs/hr	lbs/day	tons/yr
NOx	3.55	3.55	0.09
CO	1.37	1.37	0.03
SOx	2.54	2.54	0.06
NMHC	0.17	0.17	0.00
PM10	0.18	0.18	0.00

**APPLICATION INFORMATION:**

Applicant: Pacific Coast Credit Union Mailing Address: 1278 Rocky Point Drive, Oceanside  
 Application Number: Apcd2010-App-001030 ID Number: 347 Equipment Address: 1278 Rocky Point Drive, Oceanside  
 Make: Detroit Diesel Model: 6063HV35 S/N: TBD Family #: ADDXL14.0VLD  
 Turbocharged (y/n): y Aftercooled (y/n): 4\* Retard (y/n): Equipment Driven: 400KW

**EMISSION INFORMATION:**

Engine Size: 635 BHP Fuel Usage: 31.90 gal/hr Heating Value: 137,000 Btu/gal  
 Operating Schedule: 6 hrs/day 1 days/wk 52 wks/yr 52 days/yr 200 hrs/yr

Emission Factors				Control Equipment		
	lbs/bhp-hr <sup>2</sup>	lb/MMBtu <sup>2</sup>	g/bhp-hr <sup>1</sup>	(lbs/bhp-hr)	Efficiency	Equipment
NOx	2.4E-02	3.10	2.54	(5.6E-03)		
CO	5.3E-03	0.81	0.98	(2.2E-03)		
SOx	4.0E-03	0.05		(0.0E+00)		
NMHC	7.3E-04	0.10	0.12	(2.6E-04)		
PM10	7.0E-04	0.07	0.13	(2.9E-04)		

- Notes: 1. g/bhp-hr guaranteed by engine manufacturer (1 g = 453.6 lbs)  
 2. other emission factors are from AP-42  
 3. lb/hp-hr limit is based on power output; lb/MMBtu is based on heat input  
 4. assume sulfur content of fuel is 0.05%

**EMISSIONS CALCULATIONS:**

**Power Output:** (manufacturer's emission factors used when available, otherwise AP-42 emission factors used)

NOx =	5.6E-03	lbs/bhp-hr	x	635	bhp	=	3.55	lbs/hr
CO =	2.2E-03	lbs/bhp-hr	x	635	bhp	=	1.37	lbs/hr
SOx =	4.0E-03	lbs/bhp-hr	x	635	bhp	=	2.54	lbs/hr
NMHC =	2.6E-04	lbs/bhp-hr	x	635	bhp	=	0.17	lbs/hr
PM10 =	2.9E-04	lbs/bhp-hr	x	635	bhp	=	0.18	lbs/hr

**Heat Input:**

NOx =	3.1E+00	lbs/MMBtu	x	0.14	MMBtu/gal	x	31.90	gal/hr	=	13.55	lbs/hr
CO =	8.1E-01	lbs/MMBtu	x	0.14	MMBtu/gal	x	31.90	gal/hr	=	3.54	lbs/hr
SOx =	5.0E-02	lbs/MMBtu	x	0.14	MMBtu/gal	x	31.90	gal/hr	=	0.22	lbs/hr
NMHC =	1.0E-01	lbs/MMBtu	x	0.14	MMBtu/gal	x	31.90	gal/hr	=	0.44	lbs/hr
PM10 =	7.0E-02	lbs/MMBtu	x	0.14	MMBtu/gal	x	31.90	gal/hr	=	0.31	lbs/hr

**Concentration:**

Calculated Fuel Usage: 225 lbs/hr (assume fuel consumption is 0.054 gal/BHP, diesel fuel density is 7.05 lb/gal)

exhaust flow rate = 142,273 dscfh (@ 15% O2, assume 9190 dscf exhaust per MMBtu heat input)

NOx =		ppm	x	142273	scfh	x	46 lbs NO2 / 385 scf	=	0.00	lbs/hr
CO =		ppm	x	142273	scfh	x	28 lbs CO / 385 scf	=	0.00	lbs/hr
VOC =		ppm	x	142273	scfh	x	16 lbs CH4 / 385 scf	=	0.00	lbs/hr
NOx =	3.55	lbs/hr	+ 142273	scfh	x	385 scf / 46 lbs NO2	=	208.9	ppm	
CO =	1.37	lbs/hr	+ 142273	scfh	x	385 scf / 28 lbs CO	=	132.3	ppm	
VOC =	0.17	lbs/hr	+ 142273	scfh	x	385 scf / 16 lbs CH4	=	28.2	ppm	

**Grain Loading:**

Calculated Fuel Usage: 225 lbs/hr (assume fuel consumption is 0.054 gal/BHP, diesel fuel density is 7.05 lb/gal)

exhaust flow rate = 51,951 dscfh (@ 12% CO2, assume engine exhaust is 231 dscf/lb fuel)

PM concentration = 0.0004 grains/dscf

**EMISSIONS SUMMARY:**

	lbs/hr	lbs/day	tons/yr
NOx	3.55	21.31	0.36
CO	1.37	8.21	0.14
SOx	2.54	15.24	0.25
NMHC	0.17	1.00	0.02
PM10	0.18	1.09	0.02

- 1.1 3.2 Emission Estimate Assumptions – Emission factor (in g/bhp-hr) from the CARB certification were used for all Rules including the Particulate Matter (PM) rate for Toxics New Source Review- Rule 1200. Emergency operations are not included in NSR BACT review. For BACT applicability the engine was therefore assumed to operate 1 hour per day for maintenance. For AQIA, the MOP recommends assuming 6 hours per day and 200 hrs/ year, which included potential emergency operations. For toxic air contaminant emissions, the equipment manufacturer's maximum hourly fuel of 31.9 gallons was applied to Ventura APCD May 17, 2001 emission factors (see section 4.3)
- 1.2 3.3 Emission Calculations – Emissions were calculated using the attached spreadsheets (attachments 1 and 2).
- 1.3 3.4 Attachments – manufacturer specification data sheets, EPA/ARB certification.

#### 4.0 APPLICABLE RULES

##### 4.1 Prohibitory Rules

###### Rule 50: Visible emissions

This Rule prohibits any person from discharging from any sources of emissions for a period of more than three minutes any air contaminant which is darker in shade than that designated as Number 1 on the Ringlemann Chart, or of such opacity as to obscure an observer's view to a degree greater than does smoke of a shade designated as number 1 on the Ringlemann chart.

This is a CARB certified Tier 3 engine and is therefore expected to be in compliance with this rule.

###### Rule 51: Nuisance

This Rule prohibits a person from discharging from any source whatsoever such quantities of air contaminants or other materials which causes injury, nuisance or annoyance to the public or which causes damage to business or property.

Nuisance complaints are extremely rare from this type of equipment. Therefore, compliance is expected.

Rule 53: Specific Air Contaminants, Section (d) (1) of this rule limits sulfur dioxide emissions to 500 ppmvd. Using CARB diesel (<15 ppmw sulfur) satisfies this requirement. SO<sub>2</sub> emissions are estimated at less than 1 ppmvd

Rule 62: Sulfur Content of Fuels, Section (b) (2) requires liquid fuel to contain no more than 0.5 percent sulfur by weight.

CARB diesel contains less than 0.5 percent sulfur by weight and is required by permit condition.

###### Rule 69.4.1: Stationary Reciprocating Internal combustion Engines – Best Available Retrofit Control Technologies.

###### 1. Emission standards:

Rule 69.4.1 (d) (1) requires the engine to meet the NO<sub>x</sub> emission standard of 6.9 g/bhp-hr

This engine is an EPA certified engine with NO<sub>x</sub> emission at 2.537 g/bhp-hr. Therefore, the engine is in compliance with this requirement.

Rule 69.4.1(d) (2) requires the engine to meet CO emission standard of 4500 ppmv at 15% oxygen. This engine is in compliance with this requirement, with CO emission at 132.3 ppmv @15% oxygen.

2. Fuel: Rule 69.4.1(d) (4) requires the engine to use only California Diesel fuel. Use of CARB diesel is specified on permit conditions.

3. Monitoring: Rule 69.4.1(e) (3) requires installation of a non-resettable totalizing meter or a non-resettable hour meter. This engine has an hour meter.

4. Maintenance: Rule 69.4.1 requires the engine operator to conduct periodic maintenance of the engine and its control system in accordance with a procedure recommended by the manufacturer or approved by the District. Compliance with this requirement is verified through recordkeeping.

5. Recordkeeping:

Rule 69.4.1(g) (1) (v), (VI) requires the engine operator to keep records of California Diesel fuel certification and engine maintenance procedure. Compliance with this requirement is verified through recordkeeping.

Rule 69.4.1(g) (2) requires the engine operator to maintain an operating log of the dates and times of engine operation, of the total cumulative hours of operation per calendar year, and of engine periodic maintenance. Compliance with this requirement is verified through recordkeeping.

Rule 69.4.1(g) (6) requires all records to be kept on site for at least three years and made available to the District upon request. Compliance with this requirement is verified through recordkeeping.

6. Source Test Requirements: Rule 69.4.1(i) (1) exempts emergency standby engines from periodic source testing.

#### 4.2 New Source Review

##### Rule 20.2: New Source Review - Non Major Stationary Sources

###### 1. Best Available Control Technology:

Rule 20.2(d)(1)(i) requires any new or modified unit which has any increase in its potential to emit and which has a post-project potential to emit of 10 lbs per day or more of particulate matter (PM), NO<sub>x</sub>, VOC, SO<sub>x</sub>, or CO to be equipped with Best Available Control Technology (BACT) for each such air contaminant. Based on one hour of non-emergency operation per day, the engine emission does not trigger the BACT thresholds

###### 2. Air Quality Impact Analysis

Rule 20.2 (d)(2)(iii) requires any replacement unit which results in emissions increase equal to or greater than the amounts listed below to perform an Air Quality Impact Analysis:

Particulate Matter (PM): 100 lbs/day, 15 tpy

NO<sub>x</sub>: 25 lbs/hour, 250 lbs/day, 40 tpy

SO<sub>x</sub>: 25 lbs/hour, 250 lbs/day, 40 tpy

CO: 100 lbs/hour, 550 lbs/day, 100 tpy

Lead and lead compounds: 3.2 lbs/day, 0.6 tpy

*Based on 6 hour per day and 200 hours per year of total operation, the engine emissions do not trigger AQIA thresholds for NO<sub>x</sub>.*

###### 3. Prevention of Significant Deterioration (PSD)

Rule 20.2 (d) (3) states that the District shall not issue an Authority to Construct or modified Permit to Operate for any project which will have a significant impact on a Class I Area or will have after issuance of a Permit, an aggregate potential to emit one or more air contaminants in amounts equal to or greater than 250 tons/year of PM<sub>10</sub>, NO<sub>x</sub>, VOC, SO<sub>x</sub>, CO. The engine does not trigger PSD requirements.

#### 4. Public Notice and Comment

Rule 20.2 (d) (4) requires a public notice and comment period for any applications which require an AQIA under Sections d (2) or d (3). The engine does not trigger this requirement.

#### 4.3 Toxic New Source Review- Rule 1200

Rule 1200 applies to any new, relocated or modified emission unit which results in any increase in emissions of one or more toxic air contaminant(s), and for which an Authority to Construct or Permit to Operate is required. This rule requires health risks be reviewed to ensure the risks are below one in one million for cancer (with T-BACT installed), and that the health hazard index is less than one from chronic non-cancer and acute toxic air contaminants.

- The engine passed the screening health risk assessment at 50 hours per year of maintenance and testing operation.



**Diesel Engine Screening Risk**  
**San Diego Air Pollution Control District**  
**Version 1.3 (Released April 20, 2009)**

July 19, 2010

Facility ID: 00347  
 Facility Name: Pacific Coast Credit Union  
 Application: 001030  
 Permit: 001030  
 Project Engineer: Evariste Haury

Notes:

PARAMETER		RANGE REQUIRED FOR USE OF SCREENING TABLES
Does this project consist of a single engine?	Yes	Yes
Is this application equipped with T-BACT?	No	
Maximum Rated Horsepower (bhp):	635	50 - 1500 bhp
Particulate Emission Factor (g/bhp-hr):	0.134	
Annual Usage (hours/year):	50	
Maximum Hourly Fuel Usage (gal/hr):	31.9	
Nearby Buildings Present?	No	
Is the stack unobstructed and exhausts in a vertical direction?	Yes	Yes
Receptor Distances (meters)		
Residential <sup>1</sup>	304	25 meters or greater
Occupational <sup>2</sup>	60	25 meters or greater
Acute <sup>3</sup>	50	25 meters or greater

**Risk Estimates:**

Cancer Risk (Residential): 0.43 in one million  
 Cancer Risk (Occupational): 0.64 in one million  
 Acute HHI: 0.06

Please refer projects to the Toxics Section if:

1. Project consists of more than one engine.
2. Engine is not within the range required for this table, or
3. Risk estimates are greater than the allowable limits. For projects equipped with T-BACT, the allowable cancer risk is 10 in one million or less. For non-TBACT projects, the allowable cancer risk is one in one million or less. For all projects, the allowable acute HHI is one or less.

If the projects passes R1200, please e-mail the completed form to the Toxics Section. To automatically send an e-mail that includes this form, click ONCE on the button below (spreadsheet macros must be enabled). Note that each click sends one e-mail. A copy of the e-mail will be in your Outlook "Sent Items" folder.

**e-mail to Toxics**

Notes:

- 1) Residential receptor distance is the distance between the stack and the nearest residence
- 2) Occupational receptor distance is the distance between the stack and the nearest business.
- 3) Acute receptor distance is the distance between the stack and the nearest off-site location where extended (i.e. one-hour) public access is possible.

#### 4.4 AB3205-

State Law AB3205 requires the District to notify residents, businesses and parents of students about new or modified equipment that emits any toxic air contaminants into the air which will be installed within 1,000 feet of a school site. The law also requires the District to consider any comments before authorizing construction. This application is not subject to AB3205 requirements as determined using the County of San Diego LUEG – GIS Mapping Application

4.5 NESHAPS AND ATCMs- This application is subject to the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines.

##### 1. Fuel and Fuel Additive Requirements:

Section § 93115.5 (a)(1) requires that by January 1, 2006, no owner or operator of a new stationary CI engine or an in-use prime stationary diesel-fueled CI engine shall fuel the engine with any fuel unless the fuel is one of the following: CARB Diesel Fuel; or an alternative diesel fuel that meets the requirements of the Verification Procedure; or an alternative fuel; or CARB Diesel Fuel used with fuel additives that meets the requirements of the Verification Procedure; or any combination of the above fuels. This engine is required to use only CARB Diesel Fuel.

##### 2. Operating Requirements and Emission Standards:

Section § 93115.6(a) (1) requires that no owner or operator shall operate a new stationary emergency standby diesel-fueled CI engine for non-emergency use, including maintenance and testing, during the following periods: whenever there is a school sponsored activity, if the engine is located on school grounds; and between 7:30 am and 3:30 pm on days when school is in session if the engine is located within 500 feet of school grounds. This requirement does not apply if the engine emits no more than 0.01 g/bhp-hr of diesel PM. Compliance is required through permit conditions.

Section § 93115.6(a)(3)(A)(1) requires that new stationary emergency standby diesel-fueled engines (>50 bhp) shall emit diesel PM at a rate less than or equal to 0.15 g/bhp-hr; or meet the current model year PM standards specified in the Off-Road Compression Ignition Engine Standards for off-road engines with the same maximum rated power (title 13 CCR, section 2423), whichever is more stringent; and not operate more than 50 hours per year for maintenance and testing purposes. This engine PM emission rate is 0.134 g/bhp-hr. The engine is limited to 50 hours per year for testing and maintenance operation.

Section § 93115.6(a)(3)(B) requires that new stationary emergency standby diesel-fueled engines (>50 bhp) meet the HC, NO<sub>x</sub>, NMHC+NO<sub>x</sub>, and CO standards for off-road engines of the same model year and maximum rated power as specified in the Off-Road Compression-Ignition Engine Standards (title 13, CCR, section 2423). If no standards have been established for an off-road engine of the same model year and maximum rated power as the new stationary emergency standby diesel-fueled CI engine, then the new stationary emergency standby diesel-fueled CI engine shall meet the Tier 1 standards in title 13, section 2423 for an off-road engine of the same maximum rated power, irrespective of the new stationary emergency standby diesel-fueled CI engine's model year. This engine meets the Tier 3 HC, NO<sub>x</sub>, NMHC + NO<sub>x</sub> and CO standards for off-road engine of the 2010 model year.

##### 3. Recordkeeping, Reporting, and Monitoring Requirements

Section § 93115.10(a) requires each owner or operator of new and in-use stationary CI engines, including non-diesel-fueled CI engines, to submit to the District APCO information on: owner/operator contact information; engine information; fuel used; operation information; receptor information; and whether the engine is included in an existing AB2588 emission inventory. The District may exempt the owner or operator from providing all or part of this information if there is a current record of the information in the owner or operator's permit to operate, permit application, or District records. This information has been provided by applicant in application for permit to operate.

Section § 93115.10(e) requires that a non-resettable hour meter with a minimum display capability of 9,999 hours shall be installed upon engine installation, or by no later than January 1, 2005, on all engines subject to all or part of the emission standards requirements, unless the District determines on a case-by-case basis that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. This engine has an hour meter.

Section § 93115.10(g)(1) requires each owner or operator of an emergency standby diesel-fueled CI engine to keep records and prepare a monthly summary that lists and documents the nature of use for emergency use hours, maintenance and testing hours, initial start-up testing hours, retention of fuel purchase records for CARB diesel fuel. Compliance is required through permit conditions

Section § 93115.10(g) (2) requires all records to be retained for a minimum of 36 months. Records for the prior 24 months shall be retained on-site, and made immediately available to District staff upon request. Records for the prior 25 to 36 months shall be made available to District staff within 5 working days from request. Compliance is required through permit conditions

#### 4. Emission data

Section § 93115.13 requires that upon approval by the District APCO, the following sources of data may be used in whole or in part to meet the emission data requirements:

- A. Off road engine certification test data for the stationary diesel-fueled CI engine.
- B. Engine manufacturer test data.
- C. Emission test data from a similar engine, or
- D. Emission test data used in meeting the requirements of the Verification Procedure for the emission control strategy implemented.

Engine manufacturer emission data were used to verify compliance with emission standard

4.6 Attachments -Authority to Construct, engine emission calculation, diesel toxic screening report.

#### 5.0 RECOMMENDATION

The engine is expected to comply with all the applicable rules and regulations. An Authority to Construct is recommended

#### 6.0 RECOMMENDED CONDITIONS

The conditions of the Standard BEC 000158 are recommended for this Authority to Construct and listed in Attachment 1.

**ENGINEERING EVALUATION  
PERMIT TO OPERATE**

Facility Name: Pacific Marine Credit Union  
Application Number: 001030  
Equipment Type: Emergency Backup Generator  
Facility ID: 00347  
Equipment Address: 1278 Rocky Point Dr., Oceanside, 92056  
Facility Contact: Delores Vandenburg  
Contact Title: Pacific Marine - Facilities Manager  
Contact Phone: 760-716-7246 cell, 760-430-6001 office

Permit Engineer: Sharen Eden  
Date Construction Completion Received: 8-4-10 for 8-4-10 complete  
Date of Inspection: 8-31-10  
Date S/A issued: 8-31-10  
Date P/O Evaluation Completed: 8-3-10 Wariste  
Senior Engineer Approval: \_\_\_\_\_

**7.0 INSPECTION REPORT**

An inspection was performed on this emergency back-up generator in accordance with District procedure as described below and on attached documents.

- Reviewed site contact info. and advised how to change -via Permit Processing
  - Reviewed drafted P/O conditions with Delores Vandenburg
  - Hour meter reading 4.5 (start) 4.6 (end)
  - Visible Emissions Evaluation Passing? (Y/N)
  - Log book(s) reviewed (record test run)
  - Maintenance manual available
  - A/C available
  - S/A issued
  - Verified equipment desc.; Corrections Found? (Y/N) (See Notes/ Attachments)
  - Change in equipment description noted on S/A
- Time charged to "Filed Inspection" in BCMS = \_\_\_\_\_

**Notes/Issues**

No separate Detroit Diesel Engine Nameplate was found containing the exact engine model number shown on the A/C (6063 HV35) or the rated BHP = 635 hp. However the Family No. on the Emissions Sticker was verified, and the "Series 60" model number was observed on a sticker and on the emissions sticker. (The "max advertised" power on the emissions sticker = 685 hp)  
The engine S/N on the CCN is correct = 06R1038264.

6 mo. Approved SA issued on site.

**8.0 RECOMMENDED P/O CONDITIONS**

Standard ~~BEC~~ CON - 000158 (see attached PO) with the same conditions as the Authority to Construct is recommended.

C  
Sector

SAN DIEGO COUNTY AIR POLLUTION CONTROL DISTRICT  
10124 OLD GROVE ROAD  
SAN DIEGO, CA 92131

001030  
Application Number

00347  
ID

STARTUP AUTHORIZATION

8-31-10  
Date of Issuance

Pacific Marine Credit Union  
(NAME AND ADDRESS OF OPERATOR OR OWNER)

may operate an emergency engine as described on Authority to  
(DESCRIPTION OF FACILITY OR EQUIPMENT)  
Construct (A/C) issued 8-2-10

located at 1278 Rocky Point Dr., Oceanside, CA 92056  
(ADDRESS)

until 3-2-11 pursuant to Rule 21 of the Rules and Regulations of the Air  
Pollution Control District, subject to the following conditions:

1. A copy of this authorization shall be posted within 25 feet of the equipment described above or maintained readily available at all times on the operating premises.
2. Prior to any deviation from the equipment described above, the permittee shall request and wait for written approval from the District.
3. This equipment shall comply with all conditions in the Authority to Construct issued for the equipment described above except as provided below.
4.  The undersigned District representative shall be notified as soon as the equipment is fully operational.

shall operate in accordance with A/C issued 8-2-10

Operation is authorized only for the purpose of:

- Shaking Down, testing and evaluating the equipment named above.
- Allowing operation until a District Permit to Operate has been issued.

**THIS IS NOT AN AUTHORIZATION TO EXCEED ANY APPLICABLE EMISSION STANDARD. THIS AUTHORIZATION IS SUBJECT TO CANCELLATION IF ANY EMISSION STANDARD OR CONDITION IS VIOLATED. IF THERE ARE ANY QUESTIONS ABOUT THIS AUTHORIZATION, PLEASE CONTACT THE UNDERSIGNED AT (858) 586-2744.**

Signed: Sharon J. Eden

Print Name: Sharon J. Eden

WHITE - Operator  
YELLOW - Engineering  
PINK - Compliance

23862

AIR POLLUTION CONTROL DISTRICT  
COUNTY OF SAN DIEGO  
10124 OLD GROVE ROAD  
SAN DIEGO, CA 92131  
PHONE (858) 586-2650  
FAX (858) 586-2651

CITE  
Sector ID 20347  
P/O# 636  
Fee Code 34H  
Entered \_\_\_\_\_  
(APCD use only)

# NOTICE TO COMPLY

Date(s) of Violation 8-25-11 - 9-9-11  
Name Pacific Marine Credit Union Phone 760-430-6001  
Mailing Address 1278 Rocky Point Dr. City Oceanside, 92056  
Violation Location 1278 Rocky Point Dr. City Oceanside 92056  
Zip

Specifically, the following violation(s) of the California Health and Safety Code, California Code of Regulations and/or San Diego Air Pollution Control District Rules and Regulations require corrective action:

Section(s)/Rule(s)	Description of Violation(s) and Corrective Action Required
<u>R69.4.1(g)(2)(i)</u>	<u>Failure to maintain dates and times of engine operation.</u>
<u>Corrective action</u>	<u>Maintain dates and times of engine operation</u>

Compliance is required by 4-09-12 (due date). You must sign and return this form within five days of achieving compliance.

Inspector Miguel Reynoso Juregui Date 3-26-12

Served To KEVIN HAWKES Title FACILITIES TECH

Signature [Signature] Date 3-26-12

I CERTIFY, BY SIGNING MY NAME BELOW, I HAVE TAKEN THE REQUIRED CORRECTIVE ACTION TO ACHIEVE COMPLIANCE WITH THE CITED SECTION(S) AND/OR RULE(S):

Signature \_\_\_\_\_ Date \_\_\_\_\_

Reinspection may occur at any time to verify that the violation(s) have been corrected. Failure to comply by the due date and/or any false statement of compliance may result in civil or criminal penalties. (See reverse side for more information.)

REC'D MAR 28 2012

Routine

**SAN DIEGO AIR POLLUTION CONTROL DISTRICT  
COMPLIANCE DIVISION  
INSPECTION CHECKLIST  
FEE CODE 34C, H & W -- EMERGENCY STANDBY ENGINES  
Compression Ignition (17 CCR § 93115)**

ID#: 00347 Permit/Registration #: 636 Date of Inspection: Fri-17-May-2013  
Facility: Pacific Marine Credit Union 2010 Expiration Date: September 2013  
Representative: Matt Sandifer Title: Facilities Technician Phone: 760.430.7511

- 1. Equipment manufacturer, model and serial numbers match? {10(a,b)} YES. If no, explain: \_\_\_\_\_
- 2. Current permit/certificate posted/available? {12(c)(4)(iv) and/or 10(c)} YES. Ownership verified? YES {12(f)(4) and/or 10(j)}

**EQUIPMENT INSPECTION**

- 3. Hourmeter:
  - a. Engine equipped with hourmeter YES {12(d)(3) and/or 69.4.1(e)(3)}
  - b. Changed out since last inspection? NO Documented per permit conditions? NA
- 4. Located within 500 Feet of a School or on School Grounds: NO. If Yes, operated with school provisions for Maintenance & Testing? N/A
- 5. Monthly Record of Engine Operation being maintained: YES {12(g)(1)(i)(B) and/or 69.4.1(g)(2)(i)}

6. Cumulative Engine Hours	Year: _____	Year: _____	Year: <u>2012</u>
Non-Emergency Operation:	_____	_____	<u>4.5</u>
Emergency Operation:	_____	_____	<u>0.4</u>
Other	_____	_____	_____
Total: {12(g)(1)(i)(B) and/or 69.4.1(g)(2)(i)}	<u>0.0</u>	<u>0.0</u>	<u>4.9</u>
<b>LIMIT(s)</b>	52 Hours	52 Hours	<u>50</u> Hours
a. Elapsed hours for current calendar Year 2006: _____ {maintenance and testing} / _____ {emergency}			
b. Current engine hour meter reading: <u>28.0</u>			

- 7. Fuel: CARB Diesel; YES {12(d)(2) and/or 69.4.1(g)(1)(iv)}. If No, what fuel: \_\_\_\_\_
- 8. Manual of recommended maintenance procedures maintained on site YES {12(g)(1)(ii) and/or 69.4.1(g)(1)(vi)}
- 9. Periodic maintenance of the engine being done at least once each calendar year? YES {12(g)(1)(i)(A) and/or 69.4.1(g)(2)(iii)}
- 10. Equipment in compliance with permit/certificate conditions? YES {21}

**COMPLIANCE ACTIONS**

- 11. Notice to Comply issued? NO NIC #, Rules and Description: \_\_\_\_\_
- 12. Notice of Violation issued? NO NoV #, Rules and Description: \_\_\_\_\_
- 13. Review of permit conditions {H&S 42301(e)}: No Changes Required - PO change form not submitted

Comments/Remarks: \_\_\_\_\_

Inspector: KPM, Initials \_\_\_\_\_ Date of Report: Friday-17-May-2013  
AQIII Initials: [Signature] Date: 6/10/2013

**SAN DIEGO AIR POLLUTION CONTROL DISTRICT  
INSPECTION CHECKLIST  
FEE CODE 34C, H & W -- EMERGENCY STANDBY ENGINES**

**APCD2010-SITE-00347**

**APCD2010-PTO-000636**

Date of Inspection: 12/2/14

Facility: Pacific Marine Credit Union

Expiration Date: 9/30/15

Representative: Matt Sandifer

Title: Facilities Technician

Phone: 760.430.7511

1. Equipment manufacturer, model & serial number match permit/certificate?  Yes  No
2. Permit/certificate current and posted/readily available?  Yes  No
3. Ownership verified?  Yes  No
4. Permit/certificate conditions reviewed (current/enforceable)?  Yes  No
5. Engine equipped with a properly working hour meter?  Yes  No
6. Facility changed out the hour meter since the last inspection?  Yes  No

**NEAR SCHOOL PROVISIONS (for diesel engines not equipped with DPF)**

7. Emission stack located within 500 feet of a school or on school grounds?  N/A  Yes  No
8. Operated in compliance with near school provisions for non-emergency operation?  N/A  Yes  No

<b>Engine Hours for Year:</b>	2015	2013
LAST reading of year:	35.5	30.7
FIRST reading of year:	30.7	26.8
Total usage:	4.8	3.9
Emergency use:	0.0	0.0
Other usage (valid breakdowns):	0.0	0.0
Testing & Maintenance (T&M):	4.8	3.9
T&M limit in permit:	50	50

9. Did engine operate less than the T&M limit specified in the permit? (If yes, go to question #19)  Yes  No
10. Records of engine operation properly maintained?  Yes  No
11. Fuel(s):  CARB diesel  Natural gas  Propane  Gasoline  Biodiesel  Other (notes)
12. Documentation maintained identifying CARB diesel fuel?  N/A  Yes  No

**DIESEL PARTICULATE FILTER (DPF)**

13. Equipped with DPF?  N/A  Yes  No
14. Equipped with continuously-operated backpressure monitor between engine & DPF?  N/A  Yes  No
15. Equipped with device alerting facility prior to high backpressure limit being reached?  N/A  Yes  No
16. Any exceedances of engine/DPF backpressure limit of \_\_\_\_\_ inches of water column?  N/A  Yes  No

**MAINTENANCE**

17. Periodic maintenance performed on engine/DPF at least once per calendar year?  N/A  Yes  No
18. Records of periodic maintenance/owner's manual/backpressure monitor maintained on site?  N/A  Yes  No

**COMPLIANCE / ENFORCEMENT DOCUMENTS / NOTES**

19. Site advised of permit/certificate conditions & applicable rules?  Yes  No
20. Any enforcement documents issued?  None  CAR  NTC  NOV
21. Notes: \_\_\_\_\_

Inspector's Name: Kent P. Mesplay

Date of Report: 12/2/14

Supervisor's Name: Jimmie Cooksey

Approval Date: December 16, 2014



APPENDIX C  
EDR Radius Map

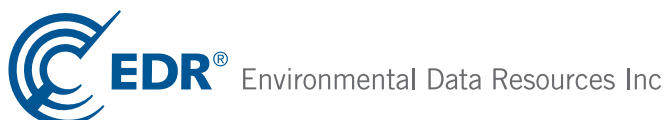
**Ocean Ranch Substation Property**

Rocky Point Drive  
Oceanside, CA 92056

Inquiry Number: 4375265.2s

August 05, 2015

**The EDR Radius Map™ Report with GeoCheck®**



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

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

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## EXECUTIVE SUMMARY

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

### TARGET PROPERTY INFORMATION

#### ADDRESS

ROCKY POINT DRIVE  
OCEANSIDE, CA 92056

#### COORDINATES

Latitude (North): 33.2108000 - 33° 12' 38.88"  
Longitude (West): 117.2939000 - 117° 17' 38.04"  
Universal Transverse Mercator: Zone 11  
UTM X (Meters): 472609.9  
UTM Y (Meters): 3674503.2  
Elevation: 312 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5641318 SAN LUIS REY, CA  
Version Date: 2012

### AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20120519  
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:  
 ROCKY POINT DRIVE  
 OCEANSIDE, CA 92056

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	BAY CAL COMMERCIAL P	4100 AVENIDA DE LA P	RCRA-SQG	Higher	258, 0.049, South
2	LANDMARK MFG INC	4112 AVE DE LA PLATA	RCRA-SQG, FINDS	Higher	258, 0.049, SSE
3	RADAX WEST INC	4128 AVENIDA DE LA P	RCRA-SQG, FINDS, HAZNET	Higher	268, 0.051, ESE
4	H AND H SCREENING AN	4147 AVENIDA DE LA P	RCRA-SQG, FINDS, San Diego Co. HMMD, HAZNET	Higher	444, 0.084, ENE
5	GILEAD SCIENCES INC.	4049 AVE DE LA PLATA	RCRA-LQG, FINDS, HAZNET	Higher	488, 0.092, SSW
6		4156 AVENIDA DE LA	EDR US Hist Auto Stat	Higher	652, 0.123, ENE
7	EXCELSIOR ENTERPRISE	1947 PLAZA REAL	RCRA-SQG, FINDS, HAZNET	Higher	754, 0.143, East
8	P & M MANUFACTURING	4056 CALLE PLATINO	RCRA-SQG, FINDS	Lower	991, 0.188, South
9	NATIONAL METAL TECHN	4040 CALLE PLATINO	RCRA-SQG, FINDS, SLIC, San Diego Co. HMMD, HAZNET,...	Higher	1067, 0.202, SSW
A10	SMM USA, INC.	4055 CALLE PLATINO	HWP	Lower	1212, 0.230, SSE
A11	SUMITOMO METAL MININ	4055 CALLE PLATINO	RCRA-TSDF, CERC-NFRAP, CORRACTS, RCRA-SQG, FINDS,	Lower	1212, 0.230, SSE
12	T M I	4079 CALLE PLATINO	SLIC, San Diego Co. HMMD, EMI, SAN DIEGO CO. SAM	Lower	1525, 0.289, SSE
B13	GREENFIELD FENCE INC	4051 OCEANSIDE BLVD	HIST CORTESE, LUST, San Diego Co. HMMD, HAZNET,...	Lower	1856, 0.352, South
B14	SAN DIEGO AUTO AUCTI	4051 OCEANSIDE BLVD	LUST, SWEEPS UST, San Diego Co. HMMD	Lower	1856, 0.352, South
15	REPLANET LLC	4150 OCEANSIDE BLVD	SWRCY, San Diego Co. HMMD, HAZNET	Lower	2148, 0.407, SE
C16	76 SERVICE STATION #	4181 OCEANSIDE BLVD	LUST	Lower	2396, 0.454, ESE
C17	UNOCAL 76 #31292-257	4181 OCEANSIDE BL	LUST, SLIC, San Diego Co. HMMD, SAN DIEGO CO. SAM	Lower	2396, 0.454, ESE

# EXECUTIVE SUMMARY

## TARGET PROPERTY SEARCH RESULTS

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

## DATABASES WITH NO MAPPED SITES

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

## STANDARD ENVIRONMENTAL RECORDS

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

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

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

Delisted NPL..... National Priority List Deletions

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

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

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

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

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

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

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

ERNS..... Emergency Response Notification System

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

RESPONSE..... State Response Sites

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

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

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

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

## EXECUTIVE SUMMARY

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

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

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

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

### **ADDITIONAL ENVIRONMENTAL RECORDS**

#### ***Local Brownfield lists***

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

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

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

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

US CDL..... Clandestine Drug Labs  
HIST Cal-Sites..... Historical Calsites Database  
SCH..... School Property Evaluation Program  
Toxic Pits..... Toxic Pits Cleanup Act Sites  
CDL..... Clandestine Drug Labs  
San Diego Co. HMMD..... Hazardous Materials Management Division Database  
US HIST CDL..... National Clandestine Laboratory Register

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

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

#### ***Local Land Records***

LIENS 2..... CERCLA Lien Information  
LIENS..... Environmental Liens Listing  
DEED..... Deed Restriction Listing

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

HMIRS..... Hazardous Materials Information Reporting System  
CHMIRS..... California Hazardous Material Incident Report System  
LDS..... Land Disposal Sites Listing

## EXECUTIVE SUMMARY

MCS..... Military Cleanup Sites Listing  
SPILLS 90..... SPILLS 90 data from FirstSearch

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

RCRA NonGen / NLR..... RCRA - Non Generators / No Longer Regulated  
DOT OPS..... Incident and Accident Data  
DOD..... Department of Defense Sites  
FUDS..... Formerly Used Defense Sites  
CONSENT..... Superfund (CERCLA) Consent Decrees  
ROD..... Records Of Decision  
UMTRA..... Uranium Mill Tailings Sites  
US MINES..... Mines Master Index File  
TRIS..... Toxic Chemical Release Inventory System  
TSCA..... Toxic Substances Control Act  
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)  
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing  
SSTS..... Section 7 Tracking Systems  
ICIS..... Integrated Compliance Information System  
PADS..... PCB Activity Database System  
MLTS..... Material Licensing Tracking System  
RADINFO..... Radiation Information Database  
FINDS..... Facility Index System/Facility Registry System  
RAATS..... RCRA Administrative Action Tracking System  
RMP..... Risk Management Plans  
CA BOND EXP. PLAN..... Bond Expenditure Plan  
NPDES..... NPDES Permits Listing  
UIC..... UIC Listing  
Cortese..... "Cortese" Hazardous Waste & Substances Sites List  
CUPA Listings..... CUPA Resources List  
Notify 65..... Proposition 65 Records  
DRYCLEANERS..... Cleaner Facilities  
WIP..... Well Investigation Program Case List  
ENF..... Enforcement Action Listing  
HAZNET..... Facility and Manifest Data  
EMI..... Emissions Inventory Data  
INDIAN RESERV..... Indian Reservations  
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing  
WDS..... Waste Discharge System  
Financial Assurance..... Financial Assurance Information Listing  
PROC..... Certified Processors Database  
HWT..... Registered Hazardous Waste Transporter Database  
MWMP..... Medical Waste Management Program Listing  
LEAD SMELTERS..... Lead Smelter Sites  
US AIRS..... Aerometric Information Retrieval System Facility Subsystem  
EPA WATCH LIST..... EPA WATCH LIST  
US FIN ASSUR..... Financial Assurance Information  
COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List  
PCB TRANSFORMER..... PCB Transformer Registration Database  
COAL ASH DOE..... Steam-Electric Plant Operation Data  
2020 COR ACTION..... 2020 Corrective Action Program List  
PRP..... Potentially Responsible Parties

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

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

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



## EXECUTIVE SUMMARY

EDR US Hist Cleaners..... EDR Exclusive Historic Dry Cleaners

### EDR RECOVERED GOVERNMENT ARCHIVES

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

RGA LUST..... Recovered Government Archive Leaking Underground Storage Tank  
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**

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

A review of the CERC-NFRAP list, as provided by EDR, and dated 10/25/2013 has revealed that there is 1 CERC-NFRAP site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b><i>SUMITOMO METAL MININ</i></b>	<b><i>4055 CALLE PLATINO</i></b>	<b><i>SSE 1/8 - 1/4 (0.230 mi.)</i></b>	<b><i>A11</i></b>	<b><i>38</i></b>

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

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 03/10/2015 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

## EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>SUMITOMO METAL MININ</b>	<b>4055 CALLE PLATINO</b>	<b>SSE 1/8 - 1/4 (0.230 mi.)</b>	<b>A11</b>	<b>38</b>

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

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

A review of the RCRA-TSDF list, as provided by EDR, and dated 03/10/2015 has revealed that there is 1 RCRA-TSDF site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>SUMITOMO METAL MININ</b>	<b>4055 CALLE PLATINO</b>	<b>SSE 1/8 - 1/4 (0.230 mi.)</b>	<b>A11</b>	<b>38</b>

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

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

A review of the RCRA-LQG list, as provided by EDR, and dated 03/10/2015 has revealed that there is 1 RCRA-LQG 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>GILEAD SCIENCES INC.</b>	<b>4049 AVE DE LA PLATA</b>	<b>SSW 0 - 1/8 (0.092 mi.)</b>	<b>5</b>	<b>15</b>

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 03/10/2015 has revealed that there are 8 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>
<b>BAY CAL COMMERCIAL P</b>	<b>4100 AVENIDA DE LA P</b>	<b>S 0 - 1/8 (0.049 mi.)</b>	<b>1</b>	<b>8</b>
<b>LANDMARK MFG INC</b>	<b>4112 AVE DE LA PLATA</b>	<b>SSE 0 - 1/8 (0.049 mi.)</b>	<b>2</b>	<b>9</b>
<b>RADAX WEST INC</b>	<b>4128 AVENIDA DE LA P</b>	<b>ESE 0 - 1/8 (0.051 mi.)</b>	<b>3</b>	<b>10</b>
<b>H AND H SCREENING AN</b>	<b>4147 AVENIDA DE LA P</b>	<b>ENE 0 - 1/8 (0.084 mi.)</b>	<b>4</b>	<b>12</b>
<b>EXCELSIOR ENTERPRISE</b>	<b>1947 PLAZA REAL</b>	<b>E 1/8 - 1/4 (0.143 mi.)</b>	<b>7</b>	<b>27</b>
<b>NATIONAL METAL TECHN</b>	<b>4040 CALLE PLATINO</b>	<b>SSW 1/8 - 1/4 (0.202 mi.)</b>	<b>9</b>	<b>31</b>

## EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>P &amp; M MANUFACTURING</b>	<b>4056 CALLE PLATINO</b>	<b>S 1/8 - 1/4 (0.188 mi.)</b>	<b>8</b>	<b>29</b>
<b>SUMITOMO METAL MININ</b>	<b>4055 CALLE PLATINO</b>	<b>SSE 1/8 - 1/4 (0.230 mi.)</b>	<b>A11</b>	<b>38</b>

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

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

A review of the ENVIROSTOR list, as provided by EDR, and dated 05/04/2015 has revealed that there is 1 ENVIROSTOR site 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>NATIONAL METAL TECHN</b> Status: No Further Action Facility Id: 71003419	<b>4040 CALLE PLATINO</b>	<b>SSW 1/8 - 1/4 (0.202 mi.)</b>	<b>9</b>	<b>31</b>

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

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the State Water Resources Control Board Leaking Underground Storage Tank Information System.

A review of the LUST list, as provided by EDR, and dated 06/15/2015 has revealed that there are 4 LUST sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>GREENFIELD FENCE INC</b> Status: Completed - Case Closed Global Id: T0607301707	<b>4051 OCEANSIDE BLVD</b>	<b>S 1/4 - 1/2 (0.352 mi.)</b>	<b>B13</b>	<b>48</b>
<b>SAN DIEGO AUTO AUCTI</b> Status: Case Closed Case Number: 9UT2941 Closed Date: 11/6/97	<b>4051 OCEANSIDE BLVD</b>	<b>S 1/4 - 1/2 (0.352 mi.)</b>	<b>B14</b>	<b>54</b>
<b>76 SERVICE STATION #</b> Status: Preliminary site assessment workplan submitted Case Number: 9UT4048	<b>4181 OCEANSIDE BLVD</b>	<b>ESE 1/4 - 1/2 (0.454 mi.)</b>	<b>C16</b>	<b>61</b>
<b>UNOCAL 76 #31292-257</b> Status: Completed - Case Closed Global Id: T0607399068 Global Id: T10000001918	<b>4181 OCEANSIDE BL</b>	<b>ESE 1/4 - 1/2 (0.454 mi.)</b>	<b>C17</b>	<b>62</b>

## EXECUTIVE SUMMARY

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

A review of the SLIC list, as provided by EDR, and dated 06/15/2015 has revealed that there are 3 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>NATIONAL METAL TECHN</b> Global Id: T0608189337 Facility Status: Completed - Case Closed	<b>4040 CALLE PLATINO</b>	<b>SSW 1/8 - 1/4 (0.202 mi.)</b>	<b>9</b>	<b>31</b>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>T M I</b> Global Id: T0608107511 Facility Status: Completed - Case Closed	<b>4079 CALLE PLATINO</b>	<b>SSE 1/4 - 1/2 (0.289 mi.)</b>	<b>12</b>	<b>45</b>
<b>UNOCAL 76 #31292-257</b> Global Id: T10000002644 Facility Status: Completed - Case Closed	<b>4181 OCEANSIDE BL</b>	<b>ESE 1/4 - 1/2 (0.454 mi.)</b>	<b>C17</b>	<b>62</b>

SAN DIEGO CO. SAM: 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.

A review of the SAN DIEGO CO. SAM list, as provided by EDR, and dated 03/23/2010 has revealed that there are 4 SAN DIEGO CO. SAM 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>NATIONAL METAL TECHN</b> Case Number: H17169-001 Facility Status: Closed Case	<b>4040 CALLE PLATINO</b>	<b>SSW 1/8 - 1/4 (0.202 mi.)</b>	<b>9</b>	<b>31</b>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>T M I</b> Case Number: H28270-001 Facility Status: Closed Case	<b>4079 CALLE PLATINO</b>	<b>SSE 1/4 - 1/2 (0.289 mi.)</b>	<b>12</b>	<b>45</b>
<b>GREENFIELD FENCE INC</b> Case Number: H23909-001 Facility Status: Closed Case	<b>4051 OCEANSIDE BLVD</b>	<b>S 1/4 - 1/2 (0.352 mi.)</b>	<b>B13</b>	<b>48</b>
<b>UNOCAL 76 #31292-257</b> Case Number: H29228-001 Facility Status: Closed Case	<b>4181 OCEANSIDE BL</b>	<b>ESE 1/4 - 1/2 (0.454 mi.)</b>	<b>C17</b>	<b>62</b>

### ADDITIONAL ENVIRONMENTAL RECORDS

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

SWRCY: A listing of recycling facilities in California.

A review of the SWRCY list, as provided by EDR, and dated 06/15/2015 has revealed that there is 1

## EXECUTIVE SUMMARY

SWRCY site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>REPLANET LLC</b> Cert Id: RC156528.001	<b>4150 OCEANSIDE BLVD</b>	<b>SE 1/4 - 1/2 (0.407 mi.)</b>	<b>15</b>	<b>57</b>

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

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 HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there is 1 HIST CORTESE site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>GREENFIELD FENCE INC</b> Reg Id: 9UT2941	<b>4051 OCEANSIDE BLVD</b>	<b>S 1/4 - 1/2 (0.352 mi.)</b>	<b>B13</b>	<b>48</b>

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

A review of the HWP list, as provided by EDR, and dated 05/26/2015 has revealed that there is 1 HWP site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>SMM USA, INC.</b> EPA Id: CAD982414146 Cleanup Status: PROTECTIVE FILER	<b>4055 CALLE PLATINO</b>	<b>SSE 1/8 - 1/4 (0.230 mi.)</b>	<b>A10</b>	<b>38</b>

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

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

EDR US Hist Auto Stat: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there is 1 EDR US Hist Auto Stat site within approximately 0.25 miles of the target property.

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	4156 AVENIDA DE LA	ENE 0 - 1/8 (0.123 mi.)	6	26

## EXECUTIVE SUMMARY

There were no unmapped sites in this report.

# OVERVIEW MAP - 4375265.2S



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

Areas of Concern



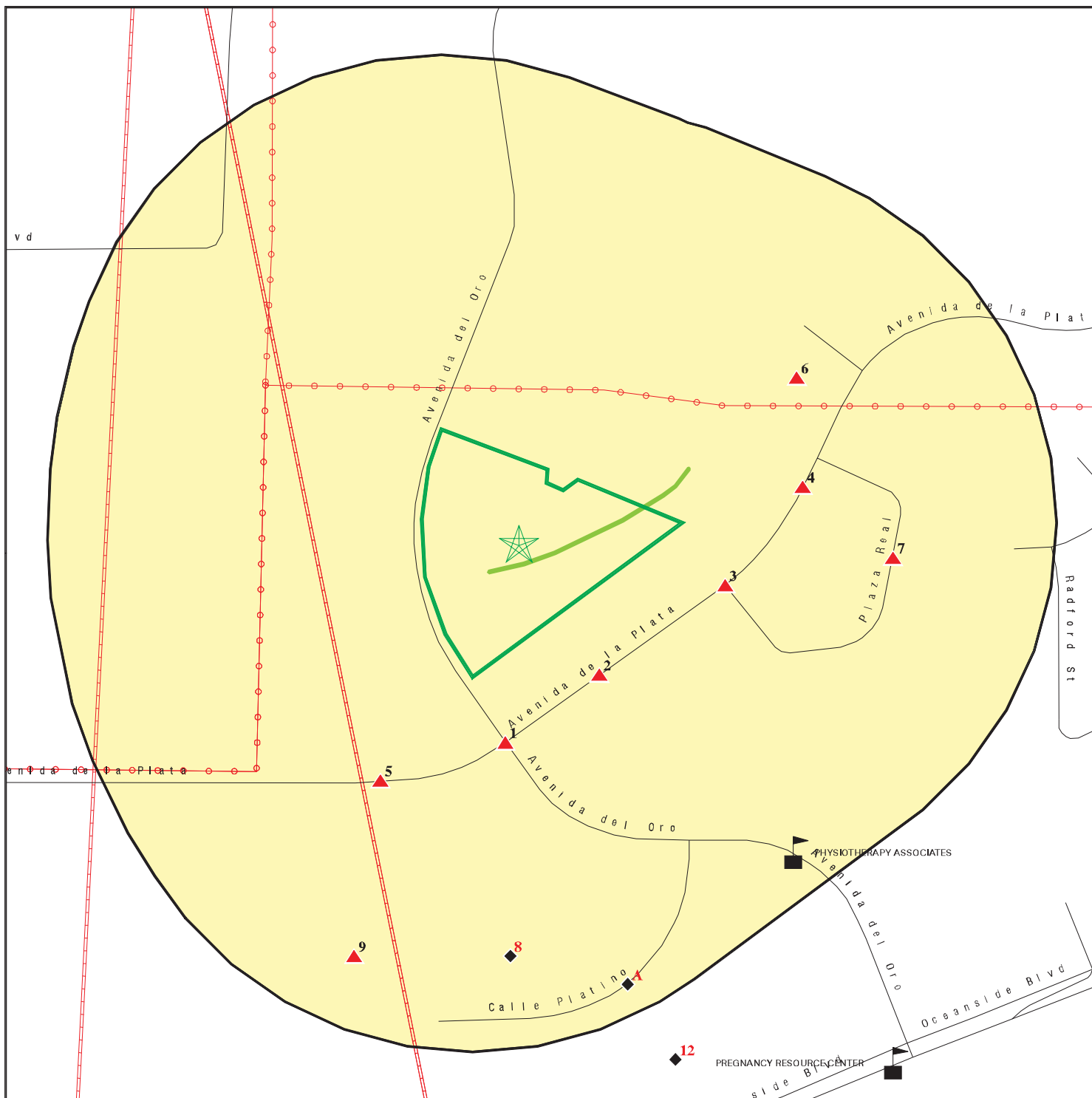
This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.







SITE NAME: Ocean Ranch Substation Property  
 ADDRESS: Rocky Point Drive  
 Oceanside CA 92056  
 LAT/LONG: 33.2108 / 117.2939








CLIENT: GeoSyntec Consultants  
 CONTACT: Steve Phillips  
 INQUIRY #: 4375265.2s  
 DATE: August 05, 2015 8:09 pm



# DETAIL MAP - 4375265.2S



-  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
-  Pipelines
-  100-year flood zone
-  500-year flood zone
-  National Wetland Inventory
-  Areas of Concern

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

SITE NAME: Ocean Ranch Substation Property  
 ADDRESS: Rocky Point Drive  
 Oceanside CA 92056  
 LAT/LONG: 33.2108 / 117.2939

CLIENT: GeoSyntec Consultants  
 CONTACT: Steve Phillips  
 INQUIRY #: 4375265.2s  
 DATE: August 05, 2015 8:11 pm

## MAP FINDINGS SUMMARY

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

## MAP FINDINGS SUMMARY

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

## MAP FINDINGS SUMMARY

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

## 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
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
<b><u>EDR HIGH RISK HISTORICAL RECORDS</u></b>								
<b><i>EDR Exclusive Records</i></b>								
EDR MGP	1.000		0	0	0	0	NR	0
EDR US Hist Auto Stat	0.250		1	0	NR	NR	NR	1
EDR US Hist Cleaners	0.250		0	0	NR	NR	NR	0
<b><u>EDR RECOVERED GOVERNMENT ARCHIVES</u></b>								
<b><i>Exclusive Recovered Govt. Archives</i></b>								
RGA LUST	TP		NR	NR	NR	NR	NR	0
RGA LF	TP		NR	NR	NR	NR	NR	0
- Totals --		0	6	11	11	0	0	28

**NOTES:**

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

1  
South  
< 1/8  
0.049 mi.  
258 ft.

**BAY CAL COMMERCIAL PAINTING**  
**4100 AVENIDA DE LA PLATA**  
**OCEANSIDE, CA 92054**

**RCRA-SQG 1007569150**  
**CAR000156430**

**Relative:**  
**Higher**

RCRA-SQG:

**Actual:**  
**388 ft.**

Date form received by agency: 08/20/2004  
Facility name: BAY CAL COMMERCIAL PAINTING  
Facility address: 4100 AVENIDA DE LA PLATA  
OCEANSIDE, CA 92054  
EPA ID: CAR000156430  
Contact: JIM BUNETTA  
Contact address: 4100 AVENIDA DE LA PLATA  
OCEANSIDE, CA 92054  
Contact country: US  
Contact telephone: 760-758-5005  
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: BAY CAL COMMERCIAL PAINTING  
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: 08/01/2004  
Owner/Op end date: Not reported

Owner/operator name: GEORGE AND HELEN PSAROS  
Owner/operator address: Not reported  
Not reported  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 01/01/1999  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BAY CAL COMMERCIAL PAINTING (Continued)**

**1007569150**

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  
  
Violation Status: No violations found

**2**  
**SSE**  
**< 1/8**  
**0.049 mi.**  
**258 ft.**

**LANDMARK MFG INC**  
**4112 AVE DE LA PLATA**  
**OCEANSIDE, CA 92056**

**RCRA-SQG 1000857378**  
**FINDS CAD983668104**

**Relative:**  
**Higher**

**RCRA-SQG:**

**Actual:**  
**378 ft.**

Date form received by agency: 05/18/1993  
Facility name: LANDMARK MFG INC  
Facility address: 4112 AVE DE LA PLATA  
OCEANSIDE, CA 92056  
EPA ID: CAD983668104  
Contact: ROBERT YOUNKER  
Contact address: 4112 AVE DE LA PLATA  
OCEANSIDE, CA 92056  
Contact country: US  
Contact telephone: (619) 941-6626  
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: LOWELL ALLEN  
Owner/operator address: 4112 AVE DE LA PLATA  
OCEANSIDE, CA 92056  
Owner/operator country: Not reported  
Owner/operator telephone: (619) 941-6626  
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

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**LANDMARK MFG INC (Continued)**

**1000857378**

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: 110002898990

**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.

**3**  
**ESE**  
**< 1/8**  
**0.051 mi.**  
**268 ft.**

**RADAX WEST INC**  
**4128 AVENIDA DE LA PLATA**  
**OCEANSIDE, CA 92056**

**RCRA-SQG 100111727**  
**FINDS CAR000012658**  
**HAZNET**

**Relative:**  
**Higher**

**RCRA-SQG:**

Date form received by agency: 05/29/1996  
 Facility name: RADAX WEST INC  
 Facility address: 4128 AVENIDA DE LA PLATA  
 OCEANSIDE, CA 92056  
 EPA ID: CAR000012658  
 Mailing address: OCEANSIDE BLVD  
 OCEANSIDE, CA 92056  
 Contact: JEFFERY JOHNCOX  
 Contact address: 4140 OCEANSIDE BLVD  
 OCEANSIDE, CA 92056  
 Contact country: US  
 Contact telephone: (619) 732-0122  
 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: BARGARA SACCO  
 Owner/operator address: 700 BASKET RD  
 WEBSTER, NY 14580  
 Owner/operator country: Not reported  
 Owner/operator telephone: (716) 265-2055  
 Legal status: Other  
 Owner/Operator Type: Owner



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RADAX WEST INC (Continued)**

**100111727**

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: 110002912242

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: 100111727  
Year: 1997  
GEPaid: CAR000012658  
Contact: BARGARA SACCO  
Telephone: 6197320122  
Mailing Name: Not reported  
Mailing Address: 4140 OCEANSIDE BLVD  
Mailing City,St,Zip: OCEANSIDE, CA 920566005  
Gen County: Not reported  
TSD EPA ID: CAT080022148  
TSD County: Not reported  
Waste Category: Other inorganic solid waste  
Disposal Method: Not reported  
Tons: 2.2500  
Facility County: San Diego

envid: 100111727  
Year: 1997  
GEPaid: CAR000012658  
Contact: BARGARA SACCO  
Telephone: 6197320122

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RADAX WEST INC (Continued)**

100111727

Mailing Name: Not reported  
Mailing Address: 4140 OCEANSIDE BLVD  
Mailing City,St,Zip: OCEANSIDE, CA 920566005  
Gen County: Not reported  
TSD EPA ID: CAT080033681  
TSD County: Not reported  
Waste Category: Other organic solids  
Disposal Method: Disposal, Other  
Tons: 4.0000  
Facility County: San Diego

envid: 100111727  
Year: 1996  
GEPAID: CAR000012658  
Contact: BARGARA SACCO  
Telephone: 6197320122  
Mailing Name: Not reported  
Mailing Address: 4140 OCEANSIDE BLVD  
Mailing City,St,Zip: OCEANSIDE, CA 920566005  
Gen County: Not reported  
TSD EPA ID: CAD089446710  
TSD County: Not reported  
Waste Category: Other organic solids  
Disposal Method: Transfer Station  
Tons: 3.5000  
Facility County: San Diego

4  
ENE  
< 1/8  
0.084 mi.  
444 ft.

**H AND H SCREENING AND GRAPHICS**  
4147 AVENIDA DE LA PLATA  
OCEANSIDE, CA 92056

RCRA-SQG 1000820380  
FINDS CAD983664152  
San Diego Co. HMMD  
HAZNET

Relative:  
Higher

RCRA-SQG:

Date form received by agency: 04/22/1993  
Facility name: H AND H SCREENING AND GRAPHICS  
Facility address: 4147 AVENIDA DE LA PLATA  
OCEANSIDE, CA 92057  
EPA ID: CAD983664152  
Contact: FRED HOFRICHTER  
Contact address: 4147 AVENIDA DE LA PLATA  
OCEANSIDE, CA 92057  
Contact country: US  
Contact telephone: (619) 724-4350  
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:  
384 ft.

Owner/Operator Summary:

Owner/operator name: EDWARD HOFRICHTER  
Owner/operator address: 4147 AVENIDA DE LA PLATA  
OCEANSIDE, CA 92057

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**H AND H SCREENING AND GRAPHICS (Continued)**

**1000820380**

Owner/operator country: Not reported  
Owner/operator telephone: (619) 724-4350  
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

Violation Status: No violations found

FINDS:

Registry ID: 110002896224

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.

SAN DIEGO CO. HMMD:

Facility Id: 133409  
Business Type: 6HK37  
EPA Id Number: CAD983664152  
APN: 162-504-09-00  
Last HMMD Inspection: 02/16/2006  
Permit Status: INAC  
Permit Expiration: 10/31/2007  
Facility Owner: HOFRICHTER BROS, INC  
Facility Address: 4147 AVENIDA DE LA PLATA  
Facility City: OCEANSIDE  
Facility State: CA  
Facility Zip: 92056-

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**H AND H SCREENING AND GRAPHICS (Continued)**

**1000820380**

UST Owner: Not reported  
Handle Regulated Hazmat: Y  
Own Or Operate UST: Not reported  
Subject To APSA: Not reported  
Generate Haz Waste: Y  
Treat Haz Waste: Not reported  
Generate Medical Waste: Not reported

**HAZNET:**

envid: 1000820380  
Year: 2007  
GEPaid: CAD983664152  
Contact: ED HOFRICHTER  
Telephone: 7607244350  
Mailing Name: Not reported  
Mailing Address: 2388 LA MIRADA DR  
Mailing City,St,Zip: VISTA, CA 920810000  
Gen County: Not reported  
TSD EPA ID: NVT330010000  
TSD County: Not reported  
Waste Category: Off-specification, aged or surplus organics  
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill( To Include On-Site Treatment And/Or Stabilization)  
Tons: 0.4  
Facility County: San Diego

envid: 1000820380  
Year: 2006  
GEPaid: CAD983664152  
Contact: ED HOFRICHTER  
Telephone: 7607244350  
Mailing Name: Not reported  
Mailing Address: 4147 AVENIDA DE LA PLATA  
Mailing City,St,Zip: OCEANSIDE, CA 920566002  
Gen County: Not reported  
TSD EPA ID: TXD077603371  
TSD County: Not reported  
Waste Category: Off-specification, aged or surplus organics  
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Tons: 0.6  
Facility County: San Diego

envid: 1000820380  
Year: 2005  
GEPaid: CAD983664152  
Contact: ED HOFRICHTER  
Telephone: 7607244350  
Mailing Name: Not reported  
Mailing Address: 4147 AVENIDA DE LA PLATA  
Mailing City,St,Zip: OCEANSIDE, CA 920566002  
Gen County: Not reported  
TSD EPA ID: CAD008252405  
TSD County: Not reported  
Waste Category: Unspecified organic liquid mixture  
Disposal Method: Recycler  
Tons: 0.68

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**H AND H SCREENING AND GRAPHICS (Continued)**

**1000820380**

Facility County: San Diego  
  
envid: 1000820380  
Year: 2004  
GEPAID: CAD983664152  
Contact: ED HOFRICHTER  
Telephone: 7607244350  
Mailing Name: Not reported  
Mailing Address: 4147 AVENIDA DE LA PLATA  
Mailing City,St,Zip: OCEANSIDE, CA 920566002  
Gen County: Not reported  
TSD EPA ID: CAD008252405  
TSD County: Not reported  
Waste Category: Unspecified organic liquid mixture  
Disposal Method: Recycler  
Tons: 3.41  
Facility County: San Diego

envid: 1000820380  
Year: 2003  
GEPAID: CAD983664152  
Contact: ED HOFRICHTER  
Telephone: 7607244350  
Mailing Name: Not reported  
Mailing Address: 4147 AVENIDA DE LA PLATA  
Mailing City,St,Zip: OCEANSIDE, CA 920566002  
Gen County: Not reported  
TSD EPA ID: CAD008252405  
TSD County: Not reported  
Waste Category: Unspecified organic liquid mixture  
Disposal Method: Recycler  
Tons: 1.52  
Facility County: San Diego

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

**5**  
**SSW**  
**< 1/8**  
**0.092 mi.**  
**488 ft.**

**GILEAD SCIENCES INC.**  
**4049 AVE DE LA PLATA**  
**OCEANSIDE, CA 92056**

**RCRA-LQG 1005904340**  
**FINDS CAR000121509**  
**HAZNET**

**Relative:**  
**Higher**

RCRA-LQG:  
Date form received by agency: 03/19/2013  
Facility name: GILEAD SCIENCES INC  
Site name: GENETECH, INC. OCP  
Facility address: 4049 AVENIDA DE LA PLATA  
OCEANSIDE, CA 92056  
  
EPA ID: CAR000121509  
Mailing address: AVENIDA DE LA PLATA  
OCEANSIDE, CA 92056  
  
Contact: GARY MERILL  
Contact address: ANTIBODY WAY  
OCEANSIDE, CA 92056  
  
Contact country: US  
Contact telephone: (760) 231-2427  
Contact email: GMERILL@GENE.COM

**Actual:**  
**376 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GILEAD SCIENCES INC. (Continued)**

**1005904340**

EPA Region: 09  
Classification: Large Quantity Generator  
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: GILEAD  
Owner/operator address: LAKESIDE DRIVE  
FOSTER CITY, CA 94404  
Owner/operator country: Not reported  
Owner/operator telephone: (650) 574-3000  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 09/07/2011  
Owner/Op end date: Not reported

Owner/operator name: BIOGEN IDEC INC  
Owner/operator address: Not reported  
Not reported  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 11/12/2003  
Owner/Op end date: Not reported

Owner/operator name: BIOGEN IDEC INC  
Owner/operator address: Not reported  
Not reported  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 11/12/2003  
Owner/Op end date: Not reported

Owner/operator name: GENENTECH, INC.  
Owner/operator address: Not reported  
Not reported  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 06/20/2005  
Owner/Op end date: Not reported

Owner/operator name: GENENTECH, INC.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GILEAD SCIENCES INC. (Continued)**

**1005904340**

Owner/operator address: 1 DNA WAY  
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: 06/26/2006  
Owner/Op end date: Not reported

Owner/operator name: GILEAD  
Owner/operator address: LAKESIDE DRIVE  
FOSTER CITY, CA 94404

Owner/operator country: US  
Owner/operator telephone: (650) 574-3000  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 09/07/2011  
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: D007  
. Waste name: CHROMIUM

. Waste code: D010  
. Waste name: SELENIUM

. 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 ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GILEAD SCIENCES INC. (Continued)**

**1005904340**

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.

Historical Generators:

Date form received by agency: 11/26/2012

Site name: GILEAD SCIENCES INC  
Classification: Large Quantity Generator

. Waste code: 122  
. Waste name: 122

. Waste code: 123  
. Waste name: 123

. Waste code: 134  
. Waste name: 134

. Waste code: 135  
. Waste name: 135

. Waste code: 181  
. Waste name: 181

. Waste code: 214  
. Waste name: 214

. Waste code: 223  
. Waste name: 223

. Waste code: 272  
. Waste name: 272

. Waste code: 311  
. Waste name: 311

. Waste code: 343  
. Waste name: 343

. Waste code: 351  
. Waste name: 351

. Waste code: 352  
. Waste name: 352

. Waste code: 551  
. Waste name: 551

. Waste code: 791  
. Waste name: 791

. 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

**GILEAD SCIENCES INC. (Continued)**

**1005904340**

- . Waste name: CORROSIVE WASTE
  - . Waste code: D011
  - . Waste name: SILVER
  - . 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 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: U236
  - . Waste name: 2,7-NAPHTHALENEDISULFONIC ACID,3,3'-[(3,3'-DIMETHYL[1,1'-BIPHENYL]-4,4'-DIYL)BIS(AZO)BIS[5-AMINO 4-HYDROXY]-, TETRASODIUM SALT (OR) TRYPAN BLUE
- Date form received by agency: 11/23/2011
- Site name: GILEAD SCIENCES INC
- Classification: Large Quantity Generator
- . Waste code: 122
  - . Waste name: 122
  - . Waste code: 123
  - . Waste name: 123
  - . Waste code: 134
  - . Waste name: 134
  - . Waste code: 135
  - . Waste name: 135
  - . Waste code: 181
  - . Waste name: 181
  - . Waste code: 214
  - . Waste name: 214
  - . Waste code: 223
  - . Waste name: 223
  - . Waste code: 272
  - . Waste name: 272
  - . Waste code: 311
  - . Waste name: 311
  - . Waste code: 343

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GILEAD SCIENCES INC. (Continued)**

**1005904340**

- . Waste name: 343
- . Waste code: 351
- . Waste name: 351
- . Waste code: 352
- . Waste name: 352
- . 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: D011
- . Waste name: SILVER
- . 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 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.

Date form received by agency: 10/19/2011  
Site name: GENENTECH INC  
Classification: Not a generator, verified

Date form received by agency: 09/14/2011  
Site name: GILEAD SCIENCES INC  
Classification: Large Quantity Generator

- . Waste code: 123
- . Waste name: 123
- . Waste code: 181
- . Waste name: 181
- . Waste code: 214
- . Waste name: 214
- . Waste code: 343
- . Waste name: 343

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GILEAD SCIENCES INC. (Continued)**

**1005904340**

. 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.

Date form received by agency: 09/29/2010  
Site name: GENENTECH, INC. OCP OPERATIONS  
Classification: Large Quantity Generator

. Waste code: D001  
. Waste name: IGNITABLE WASTE

. Waste code: D002  
. Waste name: CORROSIVE WASTE

. Waste code: D007  
. Waste name: CHROMIUM

. Waste code: D010  
. Waste name: SELENIUM

. Waste code: D022  
. Waste name: CHLOROFORM

. Waste code: D035  
. Waste name: METHYL ETHYL KETONE

. 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.

Date form received by agency: 02/29/2008  
Site name: GENENTECH, INC. OCP OPERATIONS  
Classification: Large Quantity Generator

. Waste code: D001

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GILEAD SCIENCES INC. (Continued)**

**1005904340**

- . Waste code: D002
- . Waste name: IGNITABLE WASTE
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
- . Waste code: D003
- . Waste name: REACTIVE WASTE
- . Waste code: D008
- . Waste name: LEAD
- . Waste code: D010
- . Waste name: SELENIUM
- . Waste code: D011
- . Waste name: SILVER
- . 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 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: LABP
- . Waste name: LAB PACK
- Date form received by agency: 03/03/2006
- Site name: GENENTECH INC
- Classification: Small Quantity Generator
- . Waste code: D001
- . Waste name: IGNITABLE WASTE
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
- . Waste code: D006
- . Waste name: CADMIUM
- . 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 ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GILEAD SCIENCES INC. (Continued)**

**1005904340**

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.

Date form received by agency: 04/27/2004

Site name: BIOGEN IDEC INC. (NICO)

Classification: Large Quantity Generator

. Waste code: D001  
. Waste name: IGNITABLE WASTE

. Waste code: D002  
. Waste name: CORROSIVE WASTE

Date form received by agency: 12/08/2003

Site name: BIOGEN IDEC INC

Classification: Not a generator, verified

. Waste code: D001  
. 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.

Date form received by agency: 07/08/2002

Site name: IDEC PHARMACEUTICALS

Classification: Small Quantity Generator

. Waste code: D001  
. Waste name: IGNITABLE WASTE

. Waste code: D002  
. Waste name: CORROSIVE WASTE

. Waste code: D011  
. Waste name: SILVER

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GILEAD SCIENCES INC. (Continued)**

**1005904340**

. 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 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: 110055866932

Environmental Interest/Information System  
STATE MASTER

**HAZNET:**

envid: 1005904340  
Year: 2013  
GEPaid: CAR000121509  
Contact: KEN WU  
Telephone: 6503724419  
Mailing Name: Not reported  
Mailing Address: 333 LAKESIDE DRIVE  
Mailing City,St,Zip: FOSTER CITY, CA 944041147  
Gen County: San Diego  
TSD EPA ID: CAT000613893  
TSD County: Los Angeles  
Waste Category: Not reported  
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Tons: 0.3625  
Facility County: Not reported

envid: 1005904340  
Year: 2013  
GEPaid: CAR000121509  
Contact: KEN WU  
Telephone: 6503724419  
Mailing Name: Not reported  
Mailing Address: 333 LAKESIDE DRIVE  
Mailing City,St,Zip: FOSTER CITY, CA 944041147  
Gen County: San Diego  
TSD EPA ID: CAT000613893  
TSD County: Los Angeles  
Waste Category: Not reported  
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GILEAD SCIENCES INC. (Continued)**

**1005904340**

Tons: 0.02  
Facility County: Not reported

envid: 1005904340  
Year: 2013  
GEPaid: CAR000121509  
Contact: KEN WU  
Telephone: 6503724419  
Mailing Name: Not reported  
Mailing Address: 333 LAKESIDE DRIVE  
Mailing City,St,Zip: FOSTER CITY, CA 944041147  
Gen County: San Diego  
TSD EPA ID: ARD069748192  
TSD County: 99  
Waste Category: Not reported  
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Tons: 0.2  
Facility County: Not reported

envid: 1005904340  
Year: 2013  
GEPaid: CAR000121509  
Contact: KEN WU  
Telephone: 6503724419  
Mailing Name: Not reported  
Mailing Address: 333 LAKESIDE DRIVE  
Mailing City,St,Zip: FOSTER CITY, CA 944041147  
Gen County: San Diego  
TSD EPA ID: ARD069748192  
TSD County: 99  
Waste Category: Not reported  
Disposal Method: Incineration--Thermal Destruction Other Than Use As A Fuel

Tons: 0.4587  
Facility County: Not reported

envid: 1005904340  
Year: 2013  
GEPaid: CAR000121509  
Contact: KEN WU  
Telephone: 6503724419  
Mailing Name: Not reported  
Mailing Address: 333 LAKESIDE DRIVE  
Mailing City,St,Zip: FOSTER CITY, CA 944041147  
Gen County: San Diego  
TSD EPA ID: ARD069748192  
TSD County: 99  
Waste Category: Not reported  
Disposal Method: Incineration--Thermal Destruction Other Than Use As A Fuel

Tons: 0.0025  
Facility County: Not reported

[Click this hyperlink](#) while viewing on your computer to access 376 additional CA\_HAZNET: record(s) in the EDR Site Report.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

6  
ENE  
< 1/8  
0.123 mi.  
652 ft.

4156 AVENIDA DE LA PLATA  
OCEANSIDE, CA 92056

EDR US Hist Auto Stat 1015483090  
N/A

Relative:  
Higher

EDR Historical Auto Stations:

Actual:  
386 ft.

Name: COLLISION REPAIR CENTER  
Year: 2000  
Address: 4156 AVENIDA DE LA PLATA

Name: COLLISION REPAIR CTR  
Year: 2001  
Address: 4156 AVENIDA DE LA PLATA

Name: COLLISION REPAIR CTR  
Year: 2002  
Address: 4156 AVENIDA DE LA PLATA

Name: CALIBER COLLISION CNTR OCNSD  
Year: 2003  
Address: 4156 AVENIDA DE LA PLATA

Name: CALIBER COLLISION CENTERS  
Year: 2004  
Address: 4156 AVENIDA DE LA PLATA

Name: CALIBER COLLISION CENTERS  
Year: 2006  
Address: 4156 AVENIDA DE LA PLATA

Name: CALIBER COLLISION CENTERS  
Year: 2007  
Address: 4156 AVENIDA DE LA PLATA

Name: CALIBER COLLISION CENTERS  
Year: 2008  
Address: 4156 AVENIDA DE LA PLATA

Name: CALIBER COLLISION CENTERS  
Year: 2009  
Address: 4156 AVENIDA DE LA PLATA

Name: CALIBER COLLISION CTR  
Year: 2010  
Address: 4156 AVENIDA DE LA PLATA

Name: CALIBER COLLISION CENTERS CARLSBAD  
Year: 2011  
Address: 4156 AVENIDA DE LA PLATA

Name: CALIBER COLLISION CENTERS  
Year: 2012  
Address: 4156 AVENIDA DE LA PLATA



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

7  
East  
1/8-1/4  
0.143 mi.  
754 ft.

**EXCELSIOR ENTERPRISES INC**  
1947 PLAZA REAL  
OCEANSIDE, CA 92056

**RCRA-SQG** 1000857162  
**FINDS** CA0000068767  
**HAZNET**

**Relative:**  
**Higher**

RCRA-SQG:

Date form received by agency: 07/03/1995  
Facility name: EXCELSIOR ENTERPRISES INC  
Facility address: 1947 PLAZA REAL  
OCEANSIDE, CA 92056  
EPA ID: CA0000068767  
Contact: TRACEY MASH  
Contact address: 1947 PLAZA REAL  
OCEANSIDE, CA 92056  
Contact country: US  
Contact telephone: (619) 945-2671  
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:**  
**422 ft.**

Owner/Operator Summary:

Owner/operator name: YONG CHU PARK  
Owner/operator address: 10405 E KEY WEST ST  
TEMPLE CITY, CA 91780  
Owner/operator country: Not reported  
Owner/operator telephone: (818) 448-3500  
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

Violation Status: No violations found

FINDS:

Registry ID: 110002612183

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EXCELSIOR ENTERPRISES INC (Continued)**

**1000857162**

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: 1000857162  
Year: 1999  
GEPaid: CA0000068767  
Contact: YONG CHU PARK  
Telephone: 6199452671  
Mailing Name: Not reported  
Mailing Address: 340 E BROADWAY  
Mailing City,St,Zip: VISTA, CA 920846020  
Gen County: Not reported  
TSD EPA ID: CAT000613976  
TSD County: Not reported  
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L  
Disposal Method: Transfer Station  
Tons: .7050  
Facility County: San Diego

envid: 1000857162  
Year: 1998  
GEPaid: CA0000068767  
Contact: YONG CHU PARK  
Telephone: 6199452671  
Mailing Name: Not reported  
Mailing Address: 340 E BROADWAY  
Mailing City,St,Zip: VISTA, CA 920846020  
Gen County: Not reported  
TSD EPA ID: CAT000613976  
TSD County: Not reported  
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L  
Disposal Method: Transfer Station  
Tons: 1.7700  
Facility County: San Diego

envid: 1000857162  
Year: 1997  
GEPaid: CA0000068767  
Contact: YONG CHU PARK  
Telephone: 6199452671  
Mailing Name: Not reported  
Mailing Address: 340 E BROADWAY  
Mailing City,St,Zip: VISTA, CA 920846020  
Gen County: Not reported  
TSD EPA ID: CAT000613976  
TSD County: Not reported  
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L  
Disposal Method: Transfer Station  
Tons: 2.2275  
Facility County: San Diego

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EXCELSIOR ENTERPRISES INC (Continued)**

**1000857162**

envid: 1000857162  
Year: 1996  
GEPaid: CA0000068767  
Contact: YONG CHU PARK  
Telephone: 6199452671  
Mailing Name: Not reported  
Mailing Address: 340 E BROADWAY  
Mailing City,St,Zip: VISTA, CA 920846020  
Gen County: Not reported  
TSD EPA ID: CAT000613976  
TSD County: Not reported  
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L  
Disposal Method: Transfer Station  
Tons: 1.2525  
Facility County: San Diego

envid: 1000857162  
Year: 1995  
GEPaid: CA0000068767  
Contact: YONG CHU PARK  
Telephone: 6199452671  
Mailing Name: Not reported  
Mailing Address: 340 E BROADWAY  
Mailing City,St,Zip: VISTA, CA 920846020  
Gen County: Not reported  
TSD EPA ID: CAT000613976  
TSD County: Not reported  
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L  
Disposal Method: Transfer Station  
Tons: 2.8875  
Facility County: San Diego

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

**8**  
**South**  
**1/8-1/4**  
**0.188 mi.**  
**991 ft.**

**P & M MANUFACTURING COMPANY**  
**4056 CALLE PLATINO**  
**OCEANSIDE, CA 92056**

**RCRA-SQG 1000122952**  
**FINDS CAD982484636**

**Relative:**  
**Lower**

RCRA-SQG:

Date form received by agency: 03/15/1990  
Facility name: P & M MANUFACTURING COMPANY  
Facility address: 4056 CALLE PLATINO  
OCEANSIDE, CA 92056

**Actual:**  
**304 ft.**

EPA ID: CAD982484636  
Contact: ENVIRONMENTAL MANAGER  
Contact address: 4056 CALLE PLATINO  
OCEANSIDE, CA 92056

Contact country: US  
Contact telephone: (619) 630-4500  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**P & M MANUFACTURING COMPANY (Continued)**

**1000122952**

waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

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

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

Handler Activities Summary:

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

Violation Status: No violations found

FINDS:

Registry ID: 110002826933

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.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

9  
SSW  
1/8-1/4  
0.202 mi.  
1067 ft.

**NATIONAL METAL TECHNOLOGIES**  
**4040 CALLE PLATINO**  
**OCEANSIDE, CA 92056**

RCRA-SQG 1000206556  
FINDS CAD980886352  
SLIC  
San Diego Co. HMMD  
HAZNET  
SAN DIEGO CO. SAM  
ENVIROSTOR

Relative:  
Higher

RCRA-SQG:

Actual:  
363 ft.

Date form received by agency: 03/10/1999  
Facility name: NATIONAL METAL TECHNOLOGIES  
Facility address: 4040 CALLE PLATINO  
OCEANSIDE, CA 92056  
EPA ID: CAD980886352  
Contact: JOHN WILSON  
Contact address: 4040 CALLE PLATINO  
OCEANSIDE, CA 92056  
Contact country: US  
Contact telephone: (760) 941-9422  
Contact email: Not reported  
EPA Region: 09  
Land type: Private  
Classification: Small Small Quantity Generator  
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: PHOTOMATRIX I P A C MFG  
Owner/operator address: 1958 KELLOGG ST  
CARLSBAD, CA 92008  
Owner/operator country: Not reported  
Owner/operator telephone: (760) 431-4999  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NATIONAL METAL TECHNOLOGIES (Continued)**

**1000206556**

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

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

Historical Generators:

Date form received by agency: 09/01/1996  
Site name: NATIONAL METAL TECHNOLOGIES  
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:

Regulation violated: FR - 262.10-12.A  
Area of violation: Generators - General  
Date violation determined: 03/03/1994  
Date achieved compliance: 03/03/1999  
Violation lead agency: State  
Enforcement action: Not reported  
Enforcement action date: Not reported  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: Not reported  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 262.10-12.A  
Area of violation: Generators - General  
Date violation determined: 12/11/1992  
Date achieved compliance: 03/03/1994  
Violation lead agency: State  
Enforcement action: Not reported  
Enforcement action date: Not reported  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: Not reported  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 262.10-12.A  
Area of violation: Generators - General  
Date violation determined: 11/26/1991  
Date achieved compliance: 12/11/1992  
Violation lead agency: State  
Enforcement action: Not reported  
Enforcement action date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NATIONAL METAL TECHNOLOGIES (Continued)**

**1000206556**

Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: Not reported  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 03/03/1994  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - General  
Date achieved compliance: 03/03/1999  
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 12/11/1992  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - General  
Date achieved compliance: 03/03/1994  
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 11/26/1991  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - General  
Date achieved compliance: 12/11/1992  
Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110002674062

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.

SLIC:

Region: STATE  
**Facility Status: Completed - Case Closed**  
Status Date: 08/24/1994  
Global Id: T0608189337  
Lead Agency: SAN DIEGO COUNTY LOP  
Lead Agency Case Number: H17169-001  
Latitude: 33.206251  
Longitude: -117.294974  
Case Type: Cleanup Program Site  
Case Worker: Not reported  
Local Agency: Not reported  
RB Case Number: Not reported  
File Location: Local Agency  
Potential Media Affected: Soil  
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating  
Site History: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NATIONAL METAL TECHNOLOGIES (Continued)**

**1000206556**

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

**SAN DIEGO CO. HMMD:**

Facility Id: 117169  
Business Type: 6HK34  
EPA Id Number: CAD980886352  
APN: 162-503-32-00  
Last HMMD Inspection: 04/18/2001  
Permit Status: INAC  
Permit Expiration: 04/30/2003  
Facility Owner: NATIONAL MANUFACTURING TECH  
Facility Address: 1958 KELLOGG ST  
Facility City: CARLSBAD  
Facility State: CA  
Facility Zip: 92008-  
UST Owner: Not reported  
Handle Regulated Hazmat: Y  
Own Or Operate UST: Not reported  
Subject To APSA: Not reported  
Generate Haz Waste: Y  
Treat Haz Waste: Y  
Generate Medical Waste: Not reported

**HAZNET:**

envid: 1000206556  
Year: 2002  
GEPAID: CAD980886352  
Contact: CHIEF OF OPERATIONS  
Telephone: 7609419422  
Mailing Name: Not reported  
Mailing Address: 4040 CALLE PLATINO  
Mailing City,St,Zip: OCEANSIDE, CA 920565805  
Gen County: Not reported  
TSD EPA ID: AZD983481813  
TSD County: Not reported  
Waste Category: Phosphate sludge  
Disposal Method: Disposal, Land Fill  
Tons: 3.37  
Facility County: San Diego

envid: 1000206556  
Year: 2002  
GEPAID: CAD980886352  
Contact: CHIEF OF OPERATIONS  
Telephone: 7609419422  
Mailing Name: Not reported  
Mailing Address: 4040 CALLE PLATINO  
Mailing City,St,Zip: OCEANSIDE, CA 920565805  
Gen County: Not reported  
TSD EPA ID: CAT080033681  
TSD County: Not reported  
Waste Category: Other organic solids  
Disposal Method: Recycler  
Tons: 1.15  
Facility County: San Diego



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NATIONAL METAL TECHNOLOGIES (Continued)**

**1000206556**

envid: 1000206556  
Year: 2002  
GEPaid: CAD980886352  
Contact: CHIEF OF OPERATIONS  
Telephone: 7609419422  
Mailing Name: Not reported  
Mailing Address: 4040 CALLE PLATINO  
Mailing City,St,Zip: OCEANSIDE, CA 920565805  
Gen County: Not reported  
TSD EPA ID: CAT080013352  
TSD County: Not reported  
Waste Category: Unspecified aqueous solution  
Disposal Method: Recycler  
Tons: 9.17  
Facility County: San Diego

envid: 1000206556  
Year: 2002  
GEPaid: CAD980886352  
Contact: CHIEF OF OPERATIONS  
Telephone: 7609419422  
Mailing Name: Not reported  
Mailing Address: 4040 CALLE PLATINO  
Mailing City,St,Zip: OCEANSIDE, CA 920565805  
Gen County: Not reported  
TSD EPA ID: CAT080013352  
TSD County: Not reported  
Waste Category: Oil/water separation sludge  
Disposal Method: Recycler  
Tons: 0.52  
Facility County: San Diego

envid: 1000206556  
Year: 2002  
GEPaid: CAD980886352  
Contact: CHIEF OF OPERATIONS  
Telephone: 7609419422  
Mailing Name: Not reported  
Mailing Address: 4040 CALLE PLATINO  
Mailing City,St,Zip: OCEANSIDE, CA 920565805  
Gen County: Not reported  
TSD EPA ID: CAT080033681  
TSD County: Not reported  
Waste Category: Unspecified aqueous solution  
Disposal Method: Recycler  
Tons: 0.2  
Facility County: San Diego

[Click this hyperlink](#) while viewing on your computer to access 58 additional CA\_HAZNET: record(s) in the EDR Site Report.

**SAN DIEGO CO. SAM:**

Case Number: H17169-001  
Agency: DEH Site Assessment & Mitigation  
**Funding: Private - VAP**  
Facility Type: Soils Only  
Facility Status: Closed Case

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NATIONAL METAL TECHNOLOGIES (Continued)**

**1000206556**

Date: 8/24/1994  
Date Began: 10/7/1992

**ENVIROSTOR:**

Facility ID: 71003419  
Status: No Further Action  
Status Date: 09/19/2002  
Site Code: 600740  
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 Cypress  
Assembly: 76  
Senate: 36  
Special Program: Not reported  
Restricted Use: NO  
Site Mgmt Req: NONE SPECIFIED  
Funding: Not reported  
Latitude: 33.20695  
Longitude: -117.2953  
APN: NONE SPECIFIED  
Past Use: NONE SPECIFIED  
Potential COC: NONE SPECIFIED  
Confirmed COC: NONE SPECIFIED  
Potential Description: NONE SPECIFIED  
Alias Name: CAD980886352  
Alias Type: EPA Identification Number  
Alias Name: 110002674062  
Alias Type: EPA (FRS #)  
Alias Name: 600740  
Alias Type: Project Code (Site Code)  
Alias Name: 71003419  
Alias Type: Envirostor ID Number

**Completed Info:**

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Preliminary Endangerment Assessment Workplan  
Completed Date: 09/09/2004  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Phase 1  
Completed Date: 09/19/2002  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Preliminary Endangerment Assessment Workplan  
Completed Date: 08/05/2003  
Comments: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NATIONAL METAL TECHNOLOGIES (Continued)**

**1000206556**

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 02/03/2006  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Consent Agreement  
Completed Date: 01/15/2003  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 10/13/2004  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: No Further Action Letter  
Completed Date: 02/03/2006  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Consent Agreement  
Completed Date: 01/15/2003  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Corrective Action Completion Determination  
Completed Date: 02/03/2006  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 09/11/2003  
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

MAP FINDINGS

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

**A10**      **SMM USA, INC.**  
**SSE**      **4055 CALLE PLATINO**  
**1/8-1/4**    **OCEANSIDE, CA 92056**  
**0.230 mi.**  
**1212 ft.**    **Site 1 of 2 in cluster A**

**HWP**    **S100945909**  
**N/A**

**Relative:**  
**Lower**

HWP:  
EPA Id: CAD982414146  
Cleanup Status: PROTECTIVE FILER  
Latitude: 33.20654  
Longitude: -117.2926  
Facility Type: Historical - Non-Operating  
Facility Size: Not reported  
Team: Not reported  
Supervisor: Not reported  
Site Code: N/A  
Assembly District: 76  
Senate District: 36  
Public Information Officer: Not reported

**Actual:**  
**305 ft.**

**Activities:**

EPA Id: CAD982414146  
Facility Type: Historical - Non-Operating  
Unit Names: CONTAIN1, TANKSTR1  
Event Description: New Operating Permit - APPLICATION PART A RECEIVED  
Actual Date: 02/23/1988

EPA Id: CAD982414146  
Facility Type: Historical - Non-Operating  
Unit Names: CONTAIN1, TANKSTR1  
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST RECEIVED  
Actual Date: 09/20/1988

EPA Id: CAD982414146  
Facility Type: Historical - Non-Operating  
Unit Names: CONTAIN1, TANKSTR1  
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST ACKNOWLEDGED  
Actual Date: 10/31/1988

**Alias:**

EPA Id: CAD982414146  
Facility Type: Historical - Non-Operating  
Alias Type: Project Code (Site Code)  
Alias: N/A

**A11**      **SUMITOMO METAL MINING USA INC**  
**SSE**      **4055 CALLE PLATINO**  
**1/8-1/4**    **OCEANSIDE, CA 92056**  
**0.230 mi.**  
**1212 ft.**    **Site 2 of 2 in cluster A**

**RCRA-TSDF**    **1000339720**  
**CERC-NFRAP**   **CAD982414146**  
**CORRACTS**  
**RCRA-SQG**  
**FINDS**  
**HAZNET**

**Relative:**  
**Lower**

RCRA-TSDF:  
Date form received by agency: 02/07/2006  
Facility name: SMM USA, INC.  
Facility address: 4055 CALLE PLATINO  
OCEANSIDE, CA 92056  
EPA ID: CAD982414146  
Contact: MICHAEL S RODGER

**Actual:**  
**305 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SUMITOMO METAL MINING USA INC (Continued)**

**1000339720**

Contact address: Not reported  
Not reported  
Contact country: US  
Contact telephone: (760) 941-4500  
Telephone ext.: 561  
Contact email: MRODGERS@SMMU.COM  
EPA Region: 09  
Classification: TSDF  
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste

**Owner/Operator Summary:**

Owner/operator name: LAYTON-BELLING & ASSOCIATES  
Owner/operator address: 4320 LA JOLLA VILLAGE DRIVE 20  
SAN DIEGO, CA 92122

Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Other  
Owner/Operator Type: Owner  
Owner/Op start date: 11/25/2003  
Owner/Op end date: Not reported

Owner/operator name: SMM USA, INC  
Owner/operator address: Not reported  
Not reported

Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 01/25/1989  
Owner/Op end date: Not reported

Owner/operator name: LAYTON-BELLING & ASSOCIATES  
Owner/operator address: 4320 LAJOLLA VILLAGE DRIVE 200  
SAN DIEGO, CA 92056

Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 11/25/2003  
Owner/Op end date: Not reported

Owner/operator name: SMM USA, INC.  
Owner/operator address: Not reported  
Not reported

Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 01/25/1989  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SUMITOMO METAL MINING USA INC (Continued)**

**1000339720**

Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 02/07/2006  
Site name: SMM USA, INC.  
Classification: Large Quantity Generator

. Waste code: D002  
. Waste name: CORROSIVE WASTE

Date form received by agency: 01/21/2004  
Site name: SMM USA, INC.  
Classification: Large Quantity Generator

. Waste code: D001  
. Waste name: IGNITABLE WASTE

. Waste code: D002  
. Waste name: CORROSIVE WASTE

Date form received by agency: 05/29/2002  
Site name: S M M U S A INC  
Classification: Large Quantity Generator

. Waste code: D001  
. Waste name: IGNITABLE WASTE

. Waste code: D002  
. Waste name: CORROSIVE WASTE

. Waste code: D039  
. Waste name: TETRACHLOROETHYLENE

. 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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SUMITOMO METAL MINING USA INC (Continued)**

**1000339720**

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.

Date form received by agency: 04/26/2002  
Site name: SUMITOMO METAL MINING USA INC  
Classification: Large Quantity Generator

Date form received by agency: 10/30/1992  
Site name: S M M U S A INC  
Classification: Not a generator, verified

Corrective Action Summary:

Event date: 01/01/1990  
Event: CA029ST

Event date: 05/14/1991  
Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Event date: 05/14/1991  
Event: CA074LO

Event date: 05/14/1991  
Event: CA049PA

Event date: 05/14/1991  
Event: RFA Completed

Violation Status: No violations found

CERC-NFRAP:

Site ID: 0903862  
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: 13287948.00000  
Person ID: 13003854.00000

Contact Sequence ID: 13293543.00000  
Person ID: 13003858.00000

Contact Sequence ID: 13299401.00000  
Person ID: 13004003.00000

Program Priority:

Description: RCRA Deferral - New Decision

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SUMITOMO METAL MINING USA INC (Continued)**

**1000339720**

Date Started: / /  
Date Completed: 03/01/91  
Priority Level: Not reported  
  
Action: PRELIMINARY ASSESSMENT  
Date Started: / /  
Date Completed: 05/14/91  
Priority Level: Deferred to RCRA (Subtitle C)  
  
Action: ARCHIVE SITE  
Date Started: / /  
Date Completed: 01/23/96  
Priority Level: Not reported

**CORRACTS:**

EPA ID: CAD982414146  
EPA Region: 09  
Area Name: ENTIRE FACILITY  
Actual Date: 19900101  
Action: CA029ST  
NAICS Code(s): 332999  
All Other Miscellaneous Fabricated Metal Product Manufacturing  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: CAD982414146  
EPA Region: 09  
Area Name: ENTIRE FACILITY  
Actual Date: 19910514  
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority  
NAICS Code(s): 332999  
All Other Miscellaneous Fabricated Metal Product Manufacturing  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: CAD982414146  
EPA Region: 09  
Area Name: ENTIRE FACILITY  
Actual Date: 19910514  
Action: CA074LO  
NAICS Code(s): 332999  
All Other Miscellaneous Fabricated Metal Product Manufacturing  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: CAD982414146  
EPA Region: 09  
Area Name: ENTIRE FACILITY  
Actual Date: 19910514  
Action: CA049PA  
NAICS Code(s): 332999  
All Other Miscellaneous Fabricated Metal Product Manufacturing  
Original schedule date: Not reported  
Schedule end date: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SUMITOMO METAL MINING USA INC (Continued)**

**1000339720**

EPA ID: CAD982414146  
EPA Region: 09  
Area Name: ENTIRE FACILITY  
Actual Date: 19910514  
Action: CA050 - RFA Completed  
NAICS Code(s): 332999  
All Other Miscellaneous Fabricated Metal Product Manufacturing  
Original schedule date: Not reported  
Schedule end date: Not reported

**FINDS:**

Registry ID: 110000907635

**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**

**HAZNET:**

envid: 1000339720  
Year: 2006  
GEPaid: CAD982414146  
Contact: MIKE RODGERS  
Telephone: 7609414500  
Mailing Name: Not reported  
Mailing Address: 4055 CALLE PLATINO  
Mailing City,St,Zip: OCEANSIDE, CA 920560000  
Gen County: Not reported  
TSD EPA ID: CAD028409019  
TSD County: Not reported  
Waste Category: Off-specification, aged or surplus organics  
Disposal Method: Transfer Station  
Tons: 0.01  
Facility County: San Diego

envid: 1000339720  
Year: 2006  
GEPaid: CAD982414146  
Contact: MIKE RODGERS  
Telephone: 7609414500  
Mailing Name: Not reported  
Mailing Address: 4055 CALLE PLATINO  
Mailing City,St,Zip: OCEANSIDE, CA 920560000  
Gen County: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SUMITOMO METAL MINING USA INC (Continued)**

**1000339720**

TSD EPA ID: AZR000501510  
TSD County: Not reported  
Waste Category: Other organic solids  
Disposal Method: Transfer Station  
Tons: 1.68  
Facility County: San Diego

envid: 1000339720  
Year: 2006  
GEPaid: CAD982414146  
Contact: MIKE RODGERS  
Telephone: 7609414500  
Mailing Name: Not reported  
Mailing Address: 4055 CALLE PLATINO  
Mailing City,St,Zip: OCEANSIDE, CA 920560000  
Gen County: Not reported  
TSD EPA ID: CAD097030993  
TSD County: Not reported  
Waste Category: Unspecified aqueous solution  
Disposal Method: Recycler  
Tons: 7.37  
Facility County: San Diego

envid: 1000339720  
Year: 2006  
GEPaid: CAD982414146  
Contact: MIKE RODGERS  
Telephone: 7609414500  
Mailing Name: Not reported  
Mailing Address: 4055 CALLE PLATINO  
Mailing City,St,Zip: OCEANSIDE, CA 920560000  
Gen County: Not reported  
TSD EPA ID: AZR000501510  
TSD County: Not reported  
Waste Category: Other organic solids  
Disposal Method: Transfer Station  
Tons: 0.05  
Facility County: San Diego

envid: 1000339720  
Year: 2006  
GEPaid: CAD982414146  
Contact: MIKE RODGERS  
Telephone: 7609414500  
Mailing Name: Not reported  
Mailing Address: 4055 CALLE PLATINO  
Mailing City,St,Zip: OCEANSIDE, CA 920560000  
Gen County: Not reported  
TSD EPA ID: CAD028409019  
TSD County: Not reported  
Waste Category: Off-specification, aged or surplus organics  
Disposal Method: Transfer Station  
Tons: 0.15  
Facility County: San Diego

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**SUMITOMO METAL MINING USA INC (Continued)**

**1000339720**

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

**12**  
**SSE**  
**1/4-1/2**  
**0.289 mi.**  
**1525 ft.**

**T M I**  
**4079 CALLE PLATINO**  
**OCEANSIDE, CA 92056**

**San Diego Co. HMMD**  
**EMI**  
**SAN DIEGO CO. SAM**

**SLIC** **S102803820**  
**N/A**

**Relative:**  
**Lower**

**SLIC:**  
 Region: STATE  
**Facility Status: Completed - Case Closed**  
 Status Date: 10/06/1995  
 Global Id: T0608107511  
 Lead Agency: SAN DIEGO COUNTY LOP  
 Lead Agency Case Number: H28270-001  
 Latitude: 33.205908  
 Longitude: -117.292474  
 Case Type: Cleanup Program Site  
 Case Worker: KH  
 Local Agency: SAN DIEGO COUNTY LOP  
 RB Case Number: Not reported  
 File Location: Local Agency  
 Potential Media Affected: Under Investigation  
 Potential Contaminants of Concern: Gasoline  
 Site History: Not reported

**Actual:**  
**271 ft.**

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

**SAN DIEGO CO. HMMD:**

Facility Id: 202920  
 Business Type: 6HK52  
 EPA Id Number: Not reported  
 APN: 162-503-34-00  
 Last HMMD Inspection: 09/07/2011  
 Permit Status: OPEN  
 Permit Expiration: 03/31/2013  
 Facility Owner: VERIZON WIRELESS  
 Facility Address: 15505 SAND CANYON AVE BLDG D  
 Facility City: IRVINE  
 Facility State: CA  
 Facility Zip: 92618  
 UST Owner: Not reported  
 Handle Regulated Hazmat: Not reported  
 Own Or Operate UST: Not reported  
 Subject To APSA: Not reported  
 Generate Haz Waste: Not reported  
 Treat Haz Waste: Not reported  
 Generate Medical Waste: Not reported

**Active Permits:**

Facility Id: 202920  
 Update Date: 11/02/2012  
 Case Number: 7664-93-9  
 Name: SULFURIC ACID, 30%  
 Other Information: BATTERY ELECTROLYTE  
 Material Waste: Material  
 Hazardous Categories 1: ACUTE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**T M I (Continued)**

**S102803820**

Hazardous Categories 2: Not reported

Facility Id: 202920  
Update Date: 11/02/2012  
Case Number: 68476-34-6  
Name: DIESEL FUEL  
Other Information: DIESEL FUEL, OIL #2  
Material Waste: Material  
Hazardous Categories 1: FIRE  
Hazardous Categories 2: Not reported

Violations Active Permits:

Facility Id: 202920  
Update Date: 11/02/2012  
Inspection Date: 03/17/2006  
Violation Code: 6HV1002  
Violation: HMBP NOT ESTABLISHED/IMPLEMENTED.  
Violation Citation: Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)  
Activity: ACTIVE

Facility Id: 202920  
Business Type: 6HK52  
EPA Id Number: Not reported  
APN: 162-503-34-00  
Last HMMD Inspection: 09/07/2011  
Permit Status: OPEN  
Permit Expiration: 03/31/2013  
Facility Owner: VERIZON WIRELESS  
Facility Address: 15505 SAND CANYON AVE BLDG D  
Facility City: IRVINE  
Facility State: CA  
Facility Zip: 92618  
UST Owner: Not reported  
Handle Regulated Hazmat: Y  
Own Or Operate UST: Not reported  
Subject To APSA: Not reported  
Generate Haz Waste: Not reported  
Treat Haz Waste: Not reported  
Generate Medical Waste: Not reported

Active Permits:

Facility Id: 202920  
Update Date: 11/02/2012  
Case Number: 7664-93-9  
Name: SULFURIC ACID, 30%  
Other Information: BATTERY ELECTROLYTE  
Material Waste: Material  
Hazardous Categories 1: ACUTE  
Hazardous Categories 2: Not reported

Facility Id: 202920  
Update Date: 11/02/2012  
Case Number: 68476-34-6  
Name: DIESEL FUEL  
Other Information: DIESEL FUEL, OIL #2

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**T M I (Continued)**

**S102803820**

Material Waste: Material  
Hazardous Categories 1: FIRE  
Hazardous Categories 2: Not reported

Violations Active Permits:

Facility Id: 202920  
Update Date: 11/02/2012  
Inspection Date: 03/17/2006  
Violation Code: 6HV1002  
Violation: HMBP NOT ESTABLISHED/IMPLEMENTED.  
Violation Citation: Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)  
Activity: ACTIVE

EMI:

Year: 1990  
County Code: 37  
Air Basin: SD  
Facility ID: 6794  
Air District Name: SD  
SIC Code: 3728  
Air District Name: SAN DIEGO COUNTY APCD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 14  
Reactive Organic Gases Tons/Yr: 0  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 1995  
County Code: 37  
Air Basin: SD  
Facility ID: 6794  
Air District Name: SD  
SIC Code: 3728  
Air District Name: SAN DIEGO COUNTY APCD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 1  
Reactive Organic Gases Tons/Yr: 0  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 1996  
County Code: 37  
Air Basin: SD  
Facility ID: 6794  
Air District Name: SD  
SIC Code: 3728

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**T M I (Continued)**

**S102803820**

Air District Name: SAN DIEGO COUNTY APCD  
 Community Health Air Pollution Info System: Not reported  
 Consolidated Emission Reporting Rule: Not reported  
 Total Organic Hydrocarbon Gases Tons/Yr: 1  
 Reactive Organic Gases Tons/Yr: 0  
 Carbon Monoxide Emissions Tons/Yr: 0  
 NOX - Oxides of Nitrogen Tons/Yr: 0  
 SOX - Oxides of Sulphur Tons/Yr: 0  
 Particulate Matter Tons/Yr: 0  
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1997  
 County Code: 37  
 Air Basin: SD  
 Facility ID: 6794  
 Air District Name: SD  
 SIC Code: 3728

Air District Name: SAN DIEGO COUNTY APCD  
 Community Health Air Pollution Info System: Not reported  
 Consolidated Emission Reporting Rule: Not reported  
 Total Organic Hydrocarbon Gases Tons/Yr: 1  
 Reactive Organic Gases Tons/Yr: 0  
 Carbon Monoxide Emissions Tons/Yr: 0  
 NOX - Oxides of Nitrogen Tons/Yr: 0  
 SOX - Oxides of Sulphur Tons/Yr: 0  
 Particulate Matter Tons/Yr: 0  
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

**SAN DIEGO CO. SAM:**

Case Number: H28270-001  
 Agency: DEH Site Assessment & Mitigation  
**Funding: Private - VAP**  
 Facility Type: Complaint  
 Facility Status: Closed Case  
 Date: 10/6/1995  
 Date Began: 10/6/1995

**B13**  
**South**  
**1/4-1/2**  
**0.352 mi.**  
**1856 ft.**

**GREENFIELD FENCE INC**  
**4051 OCEANSIDE BLVD**  
**OCEANSIDE, CA 92056**  
**Site 1 of 2 in cluster B**

**HIST CORTESE** **S104750501**  
**LUST** **N/A**  
**San Diego Co. HMMD**  
**HAZNET**  
**SAN DIEGO CO. SAM**

**Relative:**  
**Lower**

**HIST CORTESE:**  
 Region: CORTESE  
 Facility County Code: 37  
 Reg By: LTNKA  
 Reg Id: 9UT2941

**Actual:**  
**221 ft.**

**LUST:**

Region: STATE  
 Global Id: T0607301707  
 Latitude: 33.203904  
 Longitude: -117.292968  
 Case Type: Not reported  
 Status: Completed - Case Closed  
 Status Date: 11/06/1997

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GREENFIELD FENCE INC (Continued)**

**S104750501**

Lead Agency: Not reported  
Case Worker: Not reported  
Local Agency: Not reported  
RB Case Number: 9UT2941  
LOC Case Number: Not reported  
File Location: Local Agency  
Potential Media Affect: Soil  
Potential Contaminants of Concern: Gasoline  
Site History: Not reported

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

Status History:

Global Id: T0607301707  
Status: Completed - Case Closed  
Status Date: 11/06/1997

Global Id: T0607301707  
Status: Open - Case Begin Date  
Status Date: 10/11/1984

Regulatory Activities:

Global Id: T0607301707  
Action Type: Other  
Date: 10/06/1994  
Action: Leak Discovery

Global Id: T0607301707  
Action Type: Other  
Date: 10/06/1994  
Action: Leak Reported

Global Id: T0607301707  
Action Type: Other  
Date: 10/06/1994  
Action: Leak Began

Global Id: T0607301707  
Action Type: ENFORCEMENT  
Date: 11/03/1997  
Action: Closure/No Further Action Letter - #H23909-001

Global Id: T0607301707  
Action Type: ENFORCEMENT  
Date: 10/11/1984  
Action: Notice of Responsibility

Global Id: T0607301707  
Action Type: Other  
Date: 10/06/1994  
Action: Leak Stopped

SAN DIEGO CO. HMMD:

Facility Id: 206591  
Business Type: 6HK70  
EPA Id Number: CAL000255261

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GREENFIELD FENCE INC (Continued)**

**S104750501**

APN: 162-111-07-00  
Last HMMMD Inspection: 01/28/2010  
Permit Status: OPEN  
Permit Expiration: 01/31/2013  
Facility Owner: MEL KAY  
Facility Address: 870 NORTH MAIN ST  
Facility City: Riverside  
Facility State: CA  
Facility Zip: 92501-1016  
UST Owner: Not reported  
Handle Regulated Hazmat: Y  
Own Or Operate UST: Not reported  
Subject To APSA: Not reported  
Generate Haz Waste: Y  
Treat Haz Waste: Not reported  
Generate Medical Waste: Not reported

Active Permits:

Facility Id: 206591  
Update Date: 11/02/2012  
Case Number: Not reported  
Name: WASTE 221 WASTE OIL & MIXED OIL  
Other Information: USED OIL  
Material Waste: Waste  
Hazardous Categories 1: Not reported  
Hazardous Categories 2: Not reported

Facility Id: 206591  
Update Date: 11/02/2012  
Case Number: 8002-05-9  
Name: OILS, LUBRICATING  
Other Information: Not reported  
Material Waste: Material  
Hazardous Categories 1: FIRE  
Hazardous Categories 2: CHRONIC

Facility Id: 206591  
Update Date: 11/02/2012  
Case Number: 7782-44-7  
Name: OXYGEN GAS  
Other Information: & ACETYLENE: CUTTING TORCHES  
Material Waste: Material  
Hazardous Categories 1: PRESSURE RELEASE  
Hazardous Categories 2: Not reported

Facility Id: 206591  
Update Date: 11/02/2012  
Case Number: Not reported  
Name: WASTE 331 OFF-SPEC,AGED,SURPLUS ORGANICS  
Other Information: LACQUER THINNER  
Material Waste: Material  
Hazardous Categories 1: FIRE  
Hazardous Categories 2: CHRONIC

Facility Id: 206591  
Update Date: 11/02/2012  
Case Number: Not reported  
Name: WASTE 342 ORGANIC LIQUIDS W/METALS



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GREENFIELD FENCE INC (Continued)**

**S104750501**

Other Information: ANTIFREEZE  
Material Waste: Waste  
Hazardous Categories 1: Not reported  
Hazardous Categories 2: Not reported

Facility Id: 206591  
Update Date: 11/02/2012  
Case Number: Not reported  
Name: WASTE 888 USED OIL FILTERS  
Other Information: Not reported  
Material Waste: Waste  
Hazardous Categories 1: Not reported  
Hazardous Categories 2: Not reported

Facility Id: 206591  
Update Date: 11/02/2012  
Case Number: 7440-37-1  
Name: ARGON LIQUID  
Other Information: Not reported  
Material Waste: Material  
Hazardous Categories 1: Not reported  
Hazardous Categories 2: Not reported

Facility Id: 206591  
Update Date: 11/02/2012  
Case Number: Not reported  
Name: ZEP SOAP / SIMPLE GREEN  
Other Information: Not reported  
Material Waste: Material  
Hazardous Categories 1: REACTIVE  
Hazardous Categories 2: CHRONIC

Facility Id: 206591  
Update Date: 11/02/2012  
Case Number: 124-38-9  
Name: CARBON DIOXIDE GAS  
Other Information: Not reported  
Material Waste: Material  
Hazardous Categories 1: PRESSURE RELEASE  
Hazardous Categories 2: Not reported

Facility Id: 206591  
Update Date: 11/02/2012  
Case Number: 8006-61-9  
Name: GASOLINE  
Other Information: REGULAR UNLEADED  
Material Waste: Material  
Hazardous Categories 1: Not reported  
Hazardous Categories 2: Not reported

Facility Id: 206591  
Update Date: 11/02/2012  
Case Number: Not reported  
Name: LATEX PAINT  
Other Information: Not reported  
Material Waste: Material  
Hazardous Categories 1: CHRONIC

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GREENFIELD FENCE INC (Continued)**

**S104750501**

Hazardous Categories 2: Not reported

Facility Id: 206591  
Update Date: 11/02/2012  
Case Number: 68476-85-7  
Name: PROPANE GAS-TANK  
Other Information: Not reported  
Material Waste: Material  
Hazardous Categories 1: FIRE  
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 206591  
Update Date: 11/02/2012  
Case Number: Not reported  
Name: WASTE 461 PAINT SLUDGE  
Other Information: Not reported  
Material Waste: Waste  
Hazardous Categories 1: Not reported  
Hazardous Categories 2: Not reported

Facility Id: 206591  
Update Date: 11/02/2012  
Case Number: 7440-37-1  
Name: ARGON GAS  
Other Information: ARGON/ CO2 MIX  
Material Waste: Material  
Hazardous Categories 1: PRESSURE RELEASE  
Hazardous Categories 2: Not reported

Violations Active Permits:

Facility Id: 206591  
Update Date: 11/02/2012  
Inspection Date: 10/05/2006  
Violation Code: 6HV0225  
Violation: ACCUMULATED HW>180 OR >270 DAYS  
Violation Citation: Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]  
Activity: ACTIVE

Facility Id: 206591  
Update Date: 11/02/2012  
Inspection Date: 10/05/2006  
Violation Code: 6HV0228  
Violation: CONTAINER NOT KEPT CLOSED  
Violation Citation: Failed to keep container closed. CFR 265.173  
Activity: ACTIVE

Facility Id: 206591  
Update Date: 11/02/2012  
Inspection Date: 10/05/2006  
Violation Code: 6HV1001  
Violation: NO UPF PERMIT FOR HAZMATs  
Violation Citation: A Unified Program Facility permit has not been obtained for hazardous materials. 68.905  
Activity: ACTIVE

Facility Id: 206591

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GREENFIELD FENCE INC (Continued)**

**S104750501**

Update Date: 11/02/2012  
Inspection Date: 10/05/2006  
Violation Code: 6HV0231  
Violation: INCOMPATIBLE HW NOT PROPERLY SEPARATED  
Violation Citation: Failed to properly separate incompatible wastes. CFR 265.177  
Activity: ACTIVE

Facility Id: 206591  
Update Date: 11/02/2012  
Inspection Date: 10/05/2006  
Violation Code: 6HV0234  
Violation: FACILITY NOT OPERATED TO MINIM. RELEASE  
Violation Citation: Did not maintain &/or operate facility to prevent release or fire. CFR 265.31  
Activity: ACTIVE

Facility Id: 206591  
Update Date: 11/02/2012  
Inspection Date: 10/05/2006  
Violation Code: 6HV0131  
Violation: UPF Permit NOT OBTAINED for HAZWASTE  
Violation Citation: A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905  
Activity: ACTIVE

Facility Id: 206591  
Update Date: 11/02/2012  
Inspection Date: 10/05/2006  
Violation Code: 6HV0227  
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE  
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)  
Activity: ACTIVE

Facility Id: 206591  
Update Date: 11/02/2012  
Inspection Date: 10/05/2006  
Violation Code: 6HV0407  
Violation: EMPLOYEE TRAINING NOT ADEQUATE  
Violation Citation: Employee training program for small quantity generator of hazardous waste is inadequate. CFR 262.34(d)(5)(iii)  
Activity: ACTIVE

**HAZNET:**

envid: S104750501  
Year: 2013  
GEPID: CAL000375347  
Contact: ALEJANDRO HERNANDEZ  
Telephone: 7607248131  
Mailing Name: Not reported  
Mailing Address: 4051 OCEANSIDE BLVD  
Mailing City,St,Zip: OCEANSIDE, CA 920560000  
Gen County: San Diego  
TSD EPA ID: CAT080013352  
TSD County: Los Angeles  
Waste Category: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**GREENFIELD FENCE INC (Continued)**

**S104750501**

Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site  
 Tons: 2.244  
 Facility County: Not reported

**SAN DIEGO CO. SAM:**

Case Number: H23909-001  
 Agency: DEH Site Assessment & Mitigation  
**Funding: LOP - Federal Fund**  
 Facility Type: Soils Only  
 Facility Status: Closed Case  
 Date: 11/6/1997  
 Date Began: 10/6/1994

**B14**  
**South**  
**1/4-1/2**  
**0.352 mi.**  
**1856 ft.**

**SAN DIEGO AUTO AUCTION**  
**4051 OCEANSIDE BLVD**  
**OCEANSIDE, CA 92056**  
**Site 2 of 2 in cluster B**

**LUST** **S100732952**  
**SWEEPS UST** **N/A**  
**San Diego Co. HMMD**

**Relative:**  
**Lower**

**LUST REG 9:**

Region: 9  
 Status: Case Closed  
 Case Number: 9UT2941  
 Local Case: H23909-001  
 Substance: Gasoline  
 Qty Leaked: 0  
 Abate Method: No Action Required - incident is minor, requiring no remedial action  
 Local Agency: San Diego  
 How Found: Tank Closure  
 How Stopped: Close Tank  
 Source: Not reported  
 Cause: Not reported  
 Lead Agency: Local Agency  
 Case Type: Soil only  
 Date Found: 10/06/1994  
 Date Stopped: 10/06/1994  
 Confirm Date: / /  
 Submit Workplan: Not reported  
 Prelim Assess: 10/10/1994  
 Desc Pollution: Not reported  
 Remed Plan: / /  
 Remed Action: Not reported  
 Began Monitor: Not reported  
 Release Date: 10/06/1994  
 Enforce Date: Not reported  
 Closed Date: 11/6/97  
 Enforce Type: Not reported  
 Pilot Program: LOP  
 Basin Number: 904.10  
 GW Depth: 21'  
 Beneficial Use: Municipal groundwater use  
 NPDES Number: Not reported  
 Priority: Medium priority  
 File Dispn: File discarded, case closed  
 Interim Remedial Actions: Yes  
 Cleanup and Abatement order Number: Not reported  
 Waste Discharge Requirement Number: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SAN DIEGO AUTO AUCTION (Continued)**

**S100732952**

**SWEEPS UST:**

Status: Active  
Comp Number: 23909  
Number: 9  
Board Of Equalization: Not reported  
Referral Date: Not reported  
Action Date: 06-26-92  
Created Date: 02-29-88  
Owner Tank Id: Not reported  
SWRCB Tank Id: 37-000-023909-000001  
Tank Status: A  
Capacity: 4000  
Active Date: Not reported  
Tank Use: M.V. FUEL  
STG: P  
Content: REG UNLEADED  
Number Of Tanks: 3

Status: Active  
Comp Number: 23909  
Number: 9  
Board Of Equalization: Not reported  
Referral Date: Not reported  
Action Date: 06-26-92  
Created Date: 02-29-88  
Owner Tank Id: Not reported  
SWRCB Tank Id: 37-000-023909-000002  
Tank Status: A  
Capacity: 550  
Active Date: Not reported  
Tank Use: PETROLEUM  
STG: W  
Content: Not reported  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 23909  
Number: 9  
Board Of Equalization: Not reported  
Referral Date: Not reported  
Action Date: 06-26-92  
Created Date: 02-29-88  
Owner Tank Id: Not reported  
SWRCB Tank Id: 37-000-023909-000003  
Tank Status: A  
Capacity: 550  
Active Date: Not reported  
Tank Use: M.V. FUEL  
STG: P  
Content: REG UNLEADED  
Number Of Tanks: Not reported

**SAN DIEGO CO. HMMD:**

Facility Id: 123909  
Business Type: Not reported  
EPA Id Number: CAL000037138

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SAN DIEGO AUTO AUCTION (Continued)**

**S100732952**

APN: 162-111-07-00  
Last HMMMD Inspection: 09/16/1993  
Permit Status: INAC  
Permit Expiration: Not reported  
Facility Owner: ANGLO AMERICAN AUTO  
Facility Address: 4051 OCEANSIDE BLVD  
Facility City: OCEANSIDE  
Facility State: CA  
Facility Zip: 92056-5806  
UST Owner: MS LINDA SCOTT  
Handle Regulated Hazmat: Y  
Own Or Operate UST: Not reported  
Subject To APSA: Not reported  
Generate Haz Waste: Y  
Treat Haz Waste: Not reported  
Generate Medical Waste: Not reported

UST:

UST Name: UNDERGROUND TANK 123909 T001  
Last Update: 2012-11-02 14:17:38  
Permit Number: 123909  
Tank Type: SINGLE WALL  
Additional Id: 001  
Capacity Gallons: 4000  
UST Contents: REGULAR UNLEADED  
Other Content Info: REGULAR UNLEADED  
Reg Status: REMOVED  
Remove Close Date: 1994-06-10 00:00:00  
Year Installed: Not reported  
Pipe Type: Not reported  
Delivery System: Not reported  
Monitor Code: 05  
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 123909 T002  
Last Update: 2012-11-02 14:17:38  
Permit Number: 123909  
Tank Type: SINGLE WALL  
Additional Id: 002  
Capacity Gallons: 550  
UST Contents: Not reported  
Other Content Info: WASTE OIL  
Reg Status: REMOVED  
Remove Close Date: 1994-06-10 00:00:00  
Year Installed: Not reported  
Pipe Type: Not reported  
Delivery System: Not reported  
Monitor Code: 07  
UST Monitor Method: SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name: UNDERGROUND TANK 123909 T003  
Last Update: 2012-11-02 14:17:38  
Permit Number: 123909  
Tank Type: UNKNOWN  
Additional Id: 003  
Capacity Gallons: 550

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SAN DIEGO AUTO AUCTION (Continued)**

**S100732952**

UST Contents: REGULAR UNLEADED  
Other Content Info: REGULAR UNLEADED  
Reg Status: REMOVED  
Remove Close Date: 1994-06-10 00:00:00  
Year Installed: Not reported  
Pipe Type: Not reported  
Delivery System: Not reported  
Monitor Code: 07  
UST Monitor Method: SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

15  
SE  
1/4-1/2  
0.407 mi.  
2148 ft.

**REPLANET LLC**  
**4150 OCEANSIDE BLVD**  
**OCEANSIDE, CA 92056**

**SWRCY**  
**San Diego Co. HMMD**  
**HAZNET**

**S110497114**  
**N/A**

**Relative:**  
**Lower**

SWRCY:  
Reg Id: 156528  
Cert Id: RC156528.001  
Mailing Address: 800 N Haven Ave Suite 120  
Mailing City: Ontario  
Mailing State: CA  
Mailing Zip Code: 91764  
Website: <http://www.replanetusa.com>  
Email: [jennifer.june@replanet.com](mailto:jennifer.june@replanet.com)  
Phone Number: (951) 520-1700  
Grand Father: N  
Rural: N  
Operation Begin Date: 05/01/2012  
Aluminium: Y  
Glass: Y  
Plastic: Y  
Bimetal: Y  
Agency: N/A  
Monday Hours Of Operation: 10:00 am - 7:00 pm  
Tuesday Hours Of Operation: 10:00 am - 7:00 pm  
Wednesday Hours Of Operation: 10:00 am - 7:00 pm  
Thursday Hours Of Operation: 10:00 am - 7:00 pm  
Friday Hours Of Operation: 10:00 am - 7:00 pm  
Saturday Hours Of Operation: 10:00 am - 7:00 pm  
Sunday Hours Of Operation: 10:00 am - 7:00 pm  
Organization ID: 151891  
Organization Name: rePLANET LLC

**Actual:**  
**246 ft.**

**SAN DIEGO CO. HMMD:**

Facility Id: 211700  
Business Type: 6HK42  
EPA Id Number: CAL000347648  
APN: 162-502-22-00  
Last HMMD Inspection: 04/22/2011  
Permit Status: OPEN  
Permit Expiration: 10/31/2013  
Facility Owner: AMERICAN STORES COMPANY, LLC  
Facility Address: P O BOX 20, DEPT 72405  
Facility City: BOISE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**REPLANET LLC (Continued)**

**S110497114**

Facility State: ID  
Facility Zip: 83726  
UST Owner: Not reported  
Handle Regulated Hazmat: Not reported  
Own Or Operate UST: Not reported  
Subject To APSA: Not reported  
Generate Haz Waste: Y  
Treat Haz Waste: Not reported  
Generate Medical Waste: Y

Active Permits:

Facility Id: 211700  
Update Date: 11/02/2012  
Case Number: 74-98-6  
Name: PROPANE  
Other Information: Not reported  
Material Waste: Material  
Hazardous Categories 1: PRESSURE RELEASE  
Hazardous Categories 2: Not reported

Facility Id: 211700  
Update Date: 11/02/2012  
Case Number: Not reported  
Name: WASTE 214 UNSPEC SOLVENT MIXTURE  
Other Information: AEROSOLS AND FLAMMABLES  
Material Waste: Waste  
Hazardous Categories 1: Not reported  
Hazardous Categories 2: Not reported

Facility Id: 211700  
Update Date: 11/02/2012  
Case Number: Not reported  
Name: WASTE 902 INFECTIOUS WASTE, SHARPS  
Other Information: SHARPS WASTE - MAIL BACK  
Material Waste: Waste  
Hazardous Categories 1: Not reported  
Hazardous Categories 2: Not reported

Facility Id: 211700  
Update Date: 11/02/2012  
Case Number: Not reported  
Name: WASTE 311 PHARMACEUTICAL WASTE  
Other Information: RCRA HAZARDOUS WASTE  
Material Waste: Waste  
Hazardous Categories 1: Not reported  
Hazardous Categories 2: Not reported

Facility Id: 211700  
Update Date: 11/02/2012  
Case Number: Not reported  
Name: WASTE 791 LIQUIDS WITH PH <OR= 2  
Other Information: WASTE CORROSIVE -ACIDIC  
Material Waste: Waste  
Hazardous Categories 1: Not reported  
Hazardous Categories 2: Not reported

Facility Id: 211700



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**REPLANET LLC (Continued)**

**S110497114**

Business Type: 6HK42  
EPA Id Number: CAL000347648  
APN: 162-502-22-00  
Last HMMMD Inspection: 04/22/2011  
Permit Status: OPEN  
Permit Expiration: 10/31/2013  
Facility Owner: AMERICAN STORES COMPANY, LLC  
Facility Address: P O BOX 20, DEPT 72405  
Facility City: BOISE  
Facility State: ID  
Facility Zip: 83726  
UST Owner: Not reported  
Handle Regulated Hazmat: Y  
Own Or Operate UST: Not reported  
Subject To APSA: Not reported  
Generate Haz Waste: Y  
Treat Haz Waste: Not reported  
Generate Medical Waste: N

Active Permits:

Facility Id: 211700  
Update Date: 11/02/2012  
Case Number: 74-98-6  
Name: PROPANE  
Other Information: Not reported  
Material Waste: Material  
Hazardous Categories 1: PRESSURE RELEASE  
Hazardous Categories 2: Not reported

Facility Id: 211700  
Update Date: 11/02/2012  
Case Number: Not reported  
Name: WASTE 214 UNSPEC SOLVENT MIXTURE  
Other Information: AEROSOLS AND FLAMMABLES  
Material Waste: Waste  
Hazardous Categories 1: Not reported  
Hazardous Categories 2: Not reported

Facility Id: 211700  
Update Date: 11/02/2012  
Case Number: Not reported  
Name: WASTE 902 INFECTIOUS WASTE, SHARPS  
Other Information: SHARPS WASTE - MAIL BACK  
Material Waste: Waste  
Hazardous Categories 1: Not reported  
Hazardous Categories 2: Not reported

Facility Id: 211700  
Update Date: 11/02/2012  
Case Number: Not reported  
Name: WASTE 311 PHARMACEUTICAL WASTE  
Other Information: RCRA HAZARDOUS WASTE  
Material Waste: Waste  
Hazardous Categories 1: Not reported  
Hazardous Categories 2: Not reported

Facility Id: 211700  
Update Date: 11/02/2012

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**REPLANET LLC (Continued)**

**S110497114**

Case Number: Not reported  
Name: WASTE 791 LIQUIDS WITH PH <OR= 2  
Other Information: WASTE CORROSIVE -ACIDIC  
Material Waste: Waste  
Hazardous Categories 1: Not reported  
Hazardous Categories 2: Not reported

**HAZNET:**

envid: S110497114  
Year: 2013  
GEPaid: CAL000384653  
Contact: Jill Washburn  
Telephone: 2083953949  
Mailing Name: Not reported  
Mailing Address: PO BOX 20 DEPT 72405  
Mailing City,St,Zip: BOISE, ID 837260000  
Gen County: San Diego  
TSD EPA ID: INR000110197  
TSD County: Not reported  
Waste Category: Not reported  
Disposal Method: Not reported  
Tons: 0.01  
Facility County: Not reported

envid: S110497114  
Year: 2013  
GEPaid: CAL000384653  
Contact: Jill Washburn  
Telephone: 2083953949  
Mailing Name: Not reported  
Mailing Address: PO BOX 20 DEPT 72405  
Mailing City,St,Zip: BOISE, ID 837260000  
Gen County: San Diego  
TSD EPA ID: CAD008302903  
TSD County: Los Angeles  
Waste Category: Not reported  
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Tons: 0.0005  
Facility County: Not reported

envid: S110497114  
Year: 2013  
GEPaid: CAL000384653  
Contact: Jill Washburn  
Telephone: 2083953949  
Mailing Name: Not reported  
Mailing Address: PO BOX 20 DEPT 72405  
Mailing City,St,Zip: BOISE, ID 837260000  
Gen County: San Diego  
TSD EPA ID: INR000110197  
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: 0.008

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**REPLANET LLC (Continued)**

**S110497114**

Facility County: Not reported  
  
envid: S110497114  
Year: 2013  
GEPAID: CAL000384653  
Contact: Jill Washburn  
Telephone: 2083953949  
Mailing Name: Not reported  
Mailing Address: PO BOX 20 DEPT 72405  
Mailing City,St,Zip: BOISE, ID 837260000  
Gen County: San Diego  
TSD EPA ID: INR000110197  
TSD County: Not reported  
Waste Category: Not reported  
Disposal Method: Not reported  
Tons: 0.0005  
Facility County: Not reported

**C16**  
**ESE**  
**1/4-1/2**  
**0.454 mi.**  
**2396 ft.**

**76 SERVICE STATION #7288**  
**4181 OCEANSIDE BLVD**  
**OCEANSIDE, CA 92056**

**LUST S104539624**  
**N/A**

**Site 1 of 2 in cluster C**

**Relative:**  
**Lower**

LUST REG 9:

**Actual:**  
**241 ft.**

Region: 9  
Status: Preliminary site assessment workplan submitted  
Case Number: 9UT4048  
Local Case: H29228-001  
Substance: Gasoline  
Qty Leaked: Not reported  
Abate Method: Not reported  
Local Agency: San Diego  
How Found: Other Means  
How Stopped: Repair Piping  
Source: Other Source  
Cause: Unknown  
Lead Agency: Local Agency  
Case Type: Soil only  
Date Found: 02/18/2000  
Date Stopped: / /  
Confirm Date: / /  
Submit Workplan: 5/3/00  
Prelim Assess: / /  
Desc Pollution: Not reported  
Remed Plan: / /  
Remed Action: Not reported  
Began Monitor: Not reported  
Release Date: 02/18/2000  
Enforce Date: Not reported  
Closed Date: Not reported  
Enforce Type: Not reported  
Pilot Program: LOP  
Basin Number: 904.10  
GW Depth: Not reported  
Beneficial Use: Beneficial groundwater use other than Municipal use  
NPDES Number: Not reported  
Priority: Low priority. Priority ranking can change over time.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**76 SERVICE STATION #7288 (Continued)**

**S104539624**

File Disp: Administratively opened on database, however no file physically exists  
Interim Remedial Actions: Not reported  
Cleanup and Abatement order Number: Not reported  
Waste Discharge Requirement Number: Not reported

**C17**  
**ESE**  
**1/4-1/2**  
**0.454 mi.**  
**2396 ft.**

**UNOCAL 76 #31292-257288**  
**4181 OCEANSIDE BL**  
**OCEANSIDE, CA 92056**  
**Site 2 of 2 in cluster C**

**LUST** **S105691718**  
**SLIC** **N/A**  
**San Diego Co. HMMD**  
**SAN DIEGO CO. SAM**

**Relative:**  
**Lower**

**LUST:**

**Actual:**  
**241 ft.**

Region: STATE  
Global Id: T0607399068  
Latitude: 33.206743  
Longitude: -117.286224  
Case Type: Not reported  
Status: Completed - Case Closed  
Status Date: 03/15/2007  
Lead Agency: Not reported  
Case Worker: EM  
Local Agency: Not reported  
RB Case Number: 9UT4048  
LOC Case Number: Not reported  
File Location: Local Agency  
Potential Media Affect: Aquifer used for drinking water supply  
Potential Contaminants of Concern: Gasoline  
Site History: Not reported

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

**Contact:**

Global Id: T0607399068  
Contact Type: Local Agency Caseworker  
Contact Name: EWAN MOFFAT  
Organization Name: SAN DIEGO COUNTY LOP  
Address: P.O. Box 129261  
City: San Diego  
Email: ewan.moffat@sdcounty.ca.gov  
Phone Number: Not reported

**Status History:**

Global Id: T0607399068  
Status: Completed - Case Closed  
Status Date: 03/15/2007

Global Id: T0607399068  
Status: Open - Case Begin Date  
Status Date: 02/18/2000

**Regulatory Activities:**

Global Id: T0607399068  
Action Type: Other  
Date: 02/18/2000  
Action: Leak Stopped

Global Id: T0607399068

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNOCAL 76 #31292-257288 (Continued)**

**S105691718**

Action Type: Other  
Date: 02/18/2000  
Action: Leak Reported

Global Id: T0607399068  
Action Type: Other  
Date: 02/18/2000  
Action: Leak Began

Global Id: T0607399068  
Action Type: ENFORCEMENT  
Date: 05/03/2000  
Action: Notice of Responsibility

Global Id: T0607399068  
Action Type: Other  
Date: 02/18/2000  
Action: Leak Discovery

Region: STATE  
Global Id: T10000001918  
Latitude: 33.206619  
Longitude: -117.285587  
Case Type: Not reported  
Status: Completed - Case Closed  
Status Date: 02/09/2012  
Lead Agency: Not reported  
Case Worker: CF  
Local Agency: Not reported  
RB Case Number: Not reported  
LOC Case Number: Not reported  
File Location: Local Agency  
Potential Media Affect: Other Groundwater (uses other than drinking water), Soil  
Potential Contaminants of Concern: Diesel, Gasoline, Waste Oil / Motor / Hydraulic / Lubricating  
Site History: A subsurface investigation was performed at 4181 Oceanside Boulevard, Oceanside, California, in September 2009. A gas station was in operation on the 1.19-acre property from 1988 until it was sold in October 2009. During the investigation, soil samples were collected from ten borings that were advanced at the site to depths of 15 to 20 feet below ground surface (bgs). Groundwater was not encountered in the borings. Soil sample analytical results indicated that low-level petroleum hydrocarbon impacts had occurred as a result of the gas station operation. In association with redevelopment of the property, which is located on the southwest corner of Oceanside Boulevard and College Avenue, four underground storage tanks (USTs) and associated dispensers and piping were removed on March 11, 2010. Three of the USTs had 12,000-gallon capacities and had held gasoline. Waste oil had been stored in the fourth tank, which had a 500-gallon capacity. During the waste oil UST removal, the County inspector noted staining at the base of the excavation and that odors were emanating from the exposed soils. Observation of the base of gasoline tank excavation was hampered by the presence of groundwater, which exhibited a surface sheen and appeared to be impacted by fuel. Odors were also noted during removal of the gasoline USTs. Analytical results for a groundwater grab sample collected from the gasoline tank excavation indicated the presence of gasoline and diesel at concentrations of 46

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNOCAL 76 #31292-257288 (Continued)**

**S105691718**

and 81 milligrams per liter (mg/L), respectively. Ethanol was detected in the grab sample at a concentration of 15 mg/L. Because ethanol had not been detected in groundwater during investigation of the initial unauthorized release at the site (DEH Case #H29228-001), its detection in the grab sample indicated the occurrence of a second release [Note: the case for the first release was closed March 15, 2007]. A second case (#H29228-002) was opened on March 25, 2010. A site investigation work plan and an addendum were submitted to DEH in April 2010, and both were subsequently approved. The work plan/addendum proposed installation of three groundwater monitoring wells and excavation of petroleum hydrocarbon-impacted soils located within the footprint of a proposed building. [Note: The former dispenser islands associated with the gas station had been located in the area of the proposed building]. Total Petroleum Hydrocarbons (TPH) as gasoline and as diesel had been detected in soil samples collected beneath a dispenser during the previous case (#H29228-001), both at maximum concentrations of 1,400 milligrams per kilogram (mg/kg). During grading of the site for redevelopment, the hydrocarbon-impacted soils beneath the former dispensers were temporarily stockpiled and subsequently disposed at Otay Landfill. The three groundwater monitoring wells proposed in the work plan/addendum were not installed at the site until construction of the proposed building had been completed (January 2011). Although low levels of gasoline and extractable fuel hydrocarbons were detected in soil samples collected from two of the well borings, benzene, toluene, ethylbenzene, and xylenes (collectively referred to as BTEX) and fuel oxygenates were not detected. Following installation, the wells were monitored and sampled on February 16 and August 12, 2011, respectively. Groundwater sampling results to date indicate that TPH-diesel, BTEX, naphthalene, and ethanol were not detected. The maximum detected TPH-gasoline concentration was 120 micrograms per liter (µg/L). The fuel oxygenates detected in the groundwater samples were methyl-tert-butyl ether (MTBE) and tert-butyl alcohol (TBA) at concentrations of 9.1 and 37 µg/L, respectively. The site is located in a hydrologic area where the designated beneficial use for groundwater is for industrial purposes. The area is excepted from use for municipal supply. Excavation activities at the site substantially removed the petroleum hydrocarbon-impacted soils that impacted groundwater. Petroleum hydrocarbon impacts to groundwater are minimal, and the detected concentrations of MTBE are below its Maximum Contaminant Level (MCL). Based on these findings, the consultant has recommended no further action at the site and case closure. DEH concurs with these recommendations.

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

Contact:

Global Id:	T10000001918
Contact Type:	Local Agency Caseworker
Contact Name:	CAROL FENNER
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	carol.fenner@sdcounty.ca.gov
Phone Number:	Not reported

Status History:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNOCAL 76 #31292-257288 (Continued)**

**S105691718**

Global Id: T10000001918  
Status: Completed - Case Closed  
Status Date: 02/09/2012

Global Id: T10000001918  
Status: Open - Case Begin Date  
Status Date: 04/01/2010

Global Id: T10000001918  
Status: Open - Site Assessment  
Status Date: 04/01/2010

Regulatory Activities:

Global Id: T10000001918  
Action Type: Other  
Date: 03/11/2010  
Action: Leak Stopped

Global Id: T10000001918  
Action Type: ENFORCEMENT  
Date: 12/09/2011  
Action: Notification - Preclosure

Global Id: T10000001918  
Action Type: RESPONSE  
Date: 09/30/2011  
Action: Monitoring Report - Semi-Annually

Global Id: T10000001918  
Action Type: ENFORCEMENT  
Date: 02/09/2012  
Action: Closure/No Further Action Letter

Global Id: T10000001918  
Action Type: ENFORCEMENT  
Date: 04/13/2010  
Action: Technical Correspondence / Assistance / Other

Global Id: T10000001918  
Action Type: ENFORCEMENT  
Date: 04/22/2010  
Action: Technical Correspondence / Assistance / Other

Global Id: T10000001918  
Action Type: ENFORCEMENT  
Date: 04/22/2010  
Action: Notice of Responsibility

Global Id: T10000001918  
Action Type: ENFORCEMENT  
Date: 04/27/2010  
Action: Technical Correspondence / Assistance / Other

Global Id: T10000001918  
Action Type: RESPONSE  
Date: 05/11/2011  
Action: Site Assessment Report - Regulator Responded

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNOCAL 76 #31292-257288 (Continued)**

**S105691718**

Global Id: T10000001918  
Action Type: RESPONSE  
Date: 04/10/2010  
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T10000001918  
Action Type: Other  
Date: 03/11/2010  
Action: Leak Discovery

Global Id: T10000001918  
Action Type: Other  
Date: 04/12/2010  
Action: Leak Reported

**SLIC:**

Region: STATE  
**Facility Status: Completed - Case Closed**  
Status Date: 01/13/2011  
Global Id: T10000002644  
Lead Agency: SAN DIEGO COUNTY LOP  
Lead Agency Case Number: H29228-004  
Latitude: 33.20664  
Longitude: -117.285542  
Case Type: Cleanup Program Site  
Case Worker: CF  
Local Agency: SAN DIEGO COUNTY LOP  
RB Case Number: Not reported  
File Location: Not reported  
Potential Media Affected: Not reported  
Potential Contaminants of Concern: Not reported  
Site History: Not reported

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

**SAN DIEGO CO. HMMD:**

Facility Id: 214400  
Business Type: 6HK42  
EPA Id Number: CAL000361298  
APN: 162-241-18-00  
Last HMMD Inspection: 04/12/2011  
Permit Status: OPEN  
Permit Expiration: 10/31/2013  
Facility Owner: 3E COMPANY  
Facility Address: 3207 GREY HAWK CT #200  
Facility City: CARLSBAD  
Facility State: CA  
Facility Zip: 92010  
UST Owner: Not reported  
Handle Regulated Hazmat: Y  
Own Or Operate UST: Not reported  
Subject To APSA: Not reported  
Generate Haz Waste: Y  
Treat Haz Waste: Not reported  
Generate Medical Waste: Y



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNOCAL 76 #31292-257288 (Continued)**

**S105691718**

Active Permits:

Facility Id: 214400  
Update Date: 11/02/2012  
Case Number: Not reported  
Name: WASTE 214 UNSPEC SOLVENT MIXTURE  
Other Information: AEROSOLS & FLAMMABLES  
Material Waste: Waste  
Hazardous Categories 1: Not reported  
Hazardous Categories 2: Not reported

Facility Id: 214400  
Update Date: 11/02/2012  
Case Number: Not reported  
Name: WASTE 311 PHARMACEUTICAL WASTE  
Other Information: RCRA HAZARDOUS WASTE  
Material Waste: Waste  
Hazardous Categories 1: Not reported  
Hazardous Categories 2: Not reported

Facility Id: 214400  
Update Date: 11/02/2012  
Case Number: Not reported  
Name: WASTE 902 INFECTIOUS WASTE, SHARPS  
Other Information: SHARPS WASTE  
Material Waste: Waste  
Hazardous Categories 1: Not reported  
Hazardous Categories 2: Not reported

Facility Id: 214400  
Update Date: 11/02/2012  
Case Number: Not reported  
Name: WASTE 131 AQUEOUS SOL'N W/REACTIVE ANION  
Other Information: WASTE OXIDIZERS  
Material Waste: Waste  
Hazardous Categories 1: Not reported  
Hazardous Categories 2: Not reported

Facility Id: 214400  
Update Date: 11/02/2012  
Case Number: Not reported  
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N  
Other Information: STATE REGULATED TOXIC WASTES  
Material Waste: Waste  
Hazardous Categories 1: Not reported  
Hazardous Categories 2: Not reported

Violations Active Permits:

Facility Id: 214400  
Update Date: 11/02/2012  
Inspection Date: 04/12/2011  
Violation Code: 6HV0227  
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE  
Violation Citation: Failed to properly label/date hazardous waste container &/or tank.  
66262.34(f)  
Activity: ACTIVE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNOCAL 76 #31292-257288 (Continued)**

**S105691718**

Facility Id: 214400  
Update Date: 11/02/2012  
Inspection Date: 04/12/2011  
Violation Code: 6HV0408  
Violation: FAILED TO POST ER PLAN BY PHONE  
Violation Citation: Small quantity generator of hazardous waste failed to post emergency response plan by phone. CFR 262.34(d)(5)(ii)  
Activity: ACTIVE

**SAN DIEGO CO. SAM:**

Case Number: H29228-001  
Agency: DEH Site Assessment & Mitigation  
**Funding: LOP - Federal Fund**  
Facility Type: Drinking Water Aquifer Impacted  
Facility Status: Closed Case  
Date: 3/15/2007  
Date Began: 2/18/2000

Count: 0 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
NO SITES FOUND					

# 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: 03/26/2015	Source: EPA
Date Data Arrived at EDR: 04/08/2015	Telephone: N/A
Date Made Active in Reports: 06/22/2015	Last EDR Contact: 07/09/2015
Number of Days to Update: 75	Next Scheduled EDR Contact: 10/19/2015
	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: 03/26/2015	Source: EPA
Date Data Arrived at EDR: 04/08/2015	Telephone: N/A
Date Made Active in Reports: 06/22/2015	Last EDR Contact: 07/09/2015
Number of Days to Update: 75	Next Scheduled EDR Contact: 10/19/2015
	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: 03/26/2015	Source: EPA
Date Data Arrived at EDR: 04/08/2015	Telephone: N/A
Date Made Active in Reports: 06/22/2015	Last EDR Contact: 07/09/2015
Number of Days to Update: 75	Next Scheduled EDR Contact: 10/19/2015
	Data Release Frequency: Quarterly

## ***Federal CERCLIS list***

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

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

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 05/29/2015
Number of Days to Update: 94	Next Scheduled EDR Contact: 09/07/2015
	Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

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

Date of Government Version: 03/26/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/08/2015	Telephone: 703-603-8704
Date Made Active in Reports: 06/11/2015	Last EDR Contact: 07/10/2015
Number of Days to Update: 64	Next Scheduled EDR Contact: 10/19/2015
	Data Release Frequency: Varies

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

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

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

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 05/29/2015
Number of Days to Update: 94	Next Scheduled EDR Contact: 09/07/2015
	Data Release Frequency: Quarterly

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

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/10/2015  
Date Data Arrived at EDR: 03/31/2015  
Date Made Active in Reports: 06/11/2015  
Number of Days to Update: 72

Source: EPA  
Telephone: 800-424-9346  
Last EDR Contact: 06/26/2015  
Next Scheduled EDR Contact: 10/12/2015  
Data Release Frequency: Quarterly

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

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

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

Date of Government Version: 03/10/2015  
Date Data Arrived at EDR: 03/31/2015  
Date Made Active in Reports: 06/11/2015  
Number of Days to Update: 72

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 06/26/2015  
Next Scheduled EDR Contact: 10/12/2015  
Data Release Frequency: Quarterly

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

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

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

Date of Government Version: 03/10/2015  
Date Data Arrived at EDR: 03/31/2015  
Date Made Active in Reports: 06/11/2015  
Number of Days to Update: 72

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 06/26/2015  
Next Scheduled EDR Contact: 10/12/2015  
Data Release Frequency: Quarterly

### **RCRA-SQG: RCRA - Small Quantity Generators**

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

Date of Government Version: 03/10/2015  
Date Data Arrived at EDR: 03/31/2015  
Date Made Active in Reports: 06/11/2015  
Number of Days to Update: 72

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 06/26/2015  
Next Scheduled EDR Contact: 10/12/2015  
Data Release Frequency: Quarterly

### **RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators**

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

Date of Government Version: 03/10/2015  
Date Data Arrived at EDR: 03/31/2015  
Date Made Active in Reports: 06/11/2015  
Number of Days to Update: 72

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 06/26/2015  
Next Scheduled EDR Contact: 10/12/2015  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

### US ENG CONTROLS: Engineering Controls Sites List

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

Date of Government Version: 03/16/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/17/2015	Telephone: 703-603-0695
Date Made Active in Reports: 06/02/2015	Last EDR Contact: 06/01/2015
Number of Days to Update: 77	Next Scheduled EDR Contact: 09/14/2015
	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: 03/16/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/17/2015	Telephone: 703-603-0695
Date Made Active in Reports: 06/02/2015	Last EDR Contact: 06/01/2015
Number of Days to Update: 77	Next Scheduled EDR Contact: 09/14/2015
	Data Release Frequency: Varies

### LUCIS: Land Use Control Information System

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

Date of Government Version: 05/28/2015	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: 05/18/2015
Number of Days to Update: 13	Next Scheduled EDR Contact: 08/31/2015
	Data Release Frequency: Varies

## ***Federal ERNS list***

### ERNS: Emergency Response Notification System

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

Date of Government Version: 03/30/2015	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 03/31/2015	Telephone: 202-267-2180
Date Made Active in Reports: 06/02/2015	Last EDR Contact: 06/26/2015
Number of Days to Update: 63	Next Scheduled EDR Contact: 10/12/2015
	Data Release Frequency: Annually

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

### RESPONSE: State Response Sites

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

Date of Government Version: 05/04/2015	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 05/05/2015	Telephone: 916-323-3400
Date Made Active in Reports: 05/14/2015	Last EDR Contact: 08/04/2015
Number of Days to Update: 9	Next Scheduled EDR Contact: 11/16/2015
	Data Release Frequency: Quarterly

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ENVIROSTOR: EnviroStor Database

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

Date of Government Version: 05/04/2015	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 05/05/2015	Telephone: 916-323-3400
Date Made Active in Reports: 05/14/2015	Last EDR Contact: 08/04/2015
Number of Days to Update: 9	Next Scheduled EDR Contact: 11/16/2015
	Data Release Frequency: Quarterly

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

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

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

Date of Government Version: 05/18/2015	Source: Department of Resources Recycling and Recovery
Date Data Arrived at EDR: 05/20/2015	Telephone: 916-341-6320
Date Made Active in Reports: 06/05/2015	Last EDR Contact: 05/20/2015
Number of Days to Update: 16	Next Scheduled EDR Contact: 08/31/2015
	Data Release Frequency: Quarterly

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

### LUST REG 6V: Leaking Underground Storage Tank Case Listing

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

Date of Government Version: 06/07/2005	Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Date Data Arrived at EDR: 06/07/2005	Telephone: 760-241-7365
Date Made Active in Reports: 06/29/2005	Last EDR Contact: 09/12/2011
Number of Days to Update: 22	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: No Update Planned

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

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

Date of Government Version: 02/26/2004	Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Date Data Arrived at EDR: 02/26/2004	Telephone: 760-776-8943
Date Made Active in Reports: 03/24/2004	Last EDR Contact: 08/01/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: No Update Planned

### LUST REG 5: Leaking Underground Storage Tank Database

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

Date of Government Version: 07/01/2008	Source: California Regional Water Quality Control Board Central Valley Region (5)
Date Data Arrived at EDR: 07/22/2008	Telephone: 916-464-4834
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 07/01/2011
Number of Days to Update: 9	Next Scheduled EDR Contact: 10/17/2011
	Data Release Frequency: No Update Planned



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## LUST REG 9: Leaking Underground Storage Tank Report

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

Date of Government Version: 03/01/2001	Source: California Regional Water Quality Control Board San Diego Region (9)
Date Data Arrived at EDR: 04/23/2001	Telephone: 858-637-5595
Date Made Active in Reports: 05/21/2001	Last EDR Contact: 09/26/2011
Number of Days to Update: 28	Next Scheduled EDR Contact: 01/09/2012
	Data Release Frequency: No Update Planned

## LUST: Geotracker's Leaking Underground Fuel Tank Report

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

Date of Government Version: 06/15/2015	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/17/2015	Telephone: see region list
Date Made Active in Reports: 07/14/2015	Last EDR Contact: 06/17/2015
Number of Days to Update: 27	Next Scheduled EDR Contact: 09/28/2015
	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 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 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 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 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

## 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

## SLIC: Statewide SLIC Cases

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

Date of Government Version: 06/15/2015  
Date Data Arrived at EDR: 06/17/2015  
Date Made Active in Reports: 07/14/2015  
Number of Days to Update: 27

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 06/17/2015  
Next Scheduled EDR Contact: 09/28/2015  
Data Release Frequency: Varies

## SLIC REG 1: Active Toxic Site Investigations

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

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

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

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

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

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

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

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

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

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

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

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

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

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

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

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

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

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

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

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

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

## SLIC REG 6L: SLIC Sites

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

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

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

## SLIC REG 7: SLIC List

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

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

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

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

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

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

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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	Source: California Regional Water Quality Control Board San Diego Region (9)
Date Data Arrived at EDR: 09/11/2007	Telephone: 858-467-2980
Date Made Active in Reports: 09/28/2007	Last EDR Contact: 08/08/2011
Number of Days to Update: 17	Next Scheduled EDR Contact: 11/21/2011
	Data Release Frequency: Annually

## INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 03/17/2015	Source: EPA Region 6
Date Data Arrived at EDR: 05/01/2015	Telephone: 214-665-6597
Date Made Active in Reports: 06/22/2015	Last EDR Contact: 07/22/2015
Number of Days to Update: 52	Next Scheduled EDR Contact: 11/09/2015
	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: 09/30/2014	Source: EPA Region 4
Date Data Arrived at EDR: 03/03/2015	Telephone: 404-562-8677
Date Made Active in Reports: 03/13/2015	Last EDR Contact: 07/22/2015
Number of Days to Update: 10	Next Scheduled EDR Contact: 11/09/2015
	Data Release Frequency: Semi-Annually

## INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/03/2015	Source: EPA Region 1
Date Data Arrived at EDR: 04/30/2015	Telephone: 617-918-1313
Date Made Active in Reports: 06/22/2015	Last EDR Contact: 07/31/2015
Number of Days to Update: 53	Next Scheduled EDR Contact: 11/09/2015
	Data Release Frequency: Varies

## INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 04/30/2015	Source: EPA Region 8
Date Data Arrived at EDR: 05/05/2015	Telephone: 303-312-6271
Date Made Active in Reports: 06/22/2015	Last EDR Contact: 07/22/2015
Number of Days to Update: 48	Next Scheduled EDR Contact: 11/09/2015
	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

Date of Government Version: 01/08/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/08/2015	Telephone: 415-972-3372
Date Made Active in Reports: 02/09/2015	Last EDR Contact: 07/31/2015
Number of Days to Update: 32	Next Scheduled EDR Contact: 11/09/2015
	Data Release Frequency: Quarterly

## INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 02/03/2015	Source: EPA Region 10
Date Data Arrived at EDR: 02/12/2015	Telephone: 206-553-2857
Date Made Active in Reports: 03/13/2015	Last EDR Contact: 07/22/2015
Number of Days to Update: 29	Next Scheduled EDR Contact: 11/09/2015
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/30/2015	Source: EPA, Region 5
Date Data Arrived at EDR: 05/29/2015	Telephone: 312-886-7439
Date Made Active in Reports: 06/22/2015	Last EDR Contact: 07/22/2015
Number of Days to Update: 24	Next Scheduled EDR Contact: 11/09/2015
	Data Release Frequency: Varies

## INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 03/30/2015	Source: EPA Region 7
Date Data Arrived at EDR: 04/28/2015	Telephone: 913-551-7003
Date Made Active in Reports: 06/22/2015	Last EDR Contact: 07/22/2015
Number of Days to Update: 55	Next Scheduled EDR Contact: 11/09/2015
	Data Release Frequency: Varies

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

#### UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 06/15/2015	Source: SWRCB
Date Data Arrived at EDR: 06/17/2015	Telephone: 916-341-5851
Date Made Active in Reports: 07/06/2015	Last EDR Contact: 06/17/2015
Number of Days to Update: 19	Next Scheduled EDR Contact: 09/28/2015
	Data Release Frequency: Semi-Annually

#### AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 08/01/2009	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2009	Telephone: 916-327-5092
Date Made Active in Reports: 10/01/2009	Last EDR Contact: 07/13/2015
Number of Days to Update: 21	Next Scheduled EDR Contact: 10/12/2015
	Data Release Frequency: Quarterly

#### INDIAN UST R1: Underground Storage Tanks on Indian Land

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

Date of Government Version: 02/03/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 04/30/2015	Telephone: 617-918-1313
Date Made Active in Reports: 06/22/2015	Last EDR Contact: 07/31/2015
Number of Days to Update: 53	Next Scheduled EDR Contact: 11/09/2015
	Data Release Frequency: Varies

#### INDIAN UST R4: Underground Storage Tanks on Indian Land

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

Date of Government Version: 09/30/2014	Source: EPA Region 4
Date Data Arrived at EDR: 03/03/2015	Telephone: 404-562-9424
Date Made Active in Reports: 03/13/2015	Last EDR Contact: 07/22/2015
Number of Days to Update: 10	Next Scheduled EDR Contact: 11/09/2015
	Data Release Frequency: Semi-Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/30/2015	Source: EPA Region 5
Date Data Arrived at EDR: 05/26/2015	Telephone: 312-886-6136
Date Made Active in Reports: 06/22/2015	Last EDR Contact: 07/22/2015
Number of Days to Update: 27	Next Scheduled EDR Contact: 11/09/2015
	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: 03/17/2015	Source: EPA Region 6
Date Data Arrived at EDR: 05/01/2015	Telephone: 214-665-7591
Date Made Active in Reports: 06/22/2015	Last EDR Contact: 07/22/2015
Number of Days to Update: 52	Next Scheduled EDR Contact: 11/09/2015
	Data Release Frequency: Semi-Annually

## INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 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: 07/22/2015
Number of Days to Update: 65	Next Scheduled EDR Contact: 11/09/2015
	Data Release Frequency: Varies

## INDIAN UST R8: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/30/2015	Source: EPA Region 8
Date Data Arrived at EDR: 05/05/2015	Telephone: 303-312-6137
Date Made Active in Reports: 06/22/2015	Last EDR Contact: 07/22/2015
Number of Days to Update: 48	Next Scheduled EDR Contact: 11/09/2015
	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: 12/14/2014	Source: EPA Region 9
Date Data Arrived at EDR: 02/13/2015	Telephone: 415-972-3368
Date Made Active in Reports: 03/13/2015	Last EDR Contact: 07/31/2015
Number of Days to Update: 28	Next Scheduled EDR Contact: 11/09/2015
	Data Release Frequency: Quarterly

## INDIAN UST R10: Underground Storage Tanks on Indian Land

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

Date of Government Version: 05/06/2015	Source: EPA Region 10
Date Data Arrived at EDR: 05/19/2015	Telephone: 206-553-2857
Date Made Active in Reports: 06/22/2015	Last EDR Contact: 07/22/2015
Number of Days to Update: 34	Next Scheduled EDR Contact: 11/09/2015
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010	Source: FEMA
Date Data Arrived at EDR: 02/16/2010	Telephone: 202-646-5797
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 07/10/2015
Number of Days to Update: 55	Next Scheduled EDR Contact: 10/28/2015
	Data Release Frequency: Varies

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

### INDIAN VCP R7: Voluntary Cleanup Priority Listing

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

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

### 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: 09/29/2014	Source: EPA, Region 1
Date Data Arrived at EDR: 10/01/2014	Telephone: 617-918-1102
Date Made Active in Reports: 11/06/2014	Last EDR Contact: 06/26/2015
Number of Days to Update: 36	Next Scheduled EDR Contact: 10/12/2015
	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: 05/04/2015	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 05/05/2015	Telephone: 916-323-3400
Date Made Active in Reports: 05/14/2015	Last EDR Contact: 08/04/2015
Number of Days to Update: 9	Next Scheduled EDR Contact: 11/16/2015
	Data Release Frequency: Quarterly

## **ADDITIONAL ENVIRONMENTAL RECORDS**

### **Local Brownfield lists**

#### US BROWNFIELDS: A Listing of Brownfields Sites

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

Date of Government Version: 03/23/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/24/2015	Telephone: 202-566-2777
Date Made Active in Reports: 06/02/2015	Last EDR Contact: 06/24/2015
Number of Days to Update: 70	Next Scheduled EDR Contact: 10/05/2015
	Data Release Frequency: Semi-Annually

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

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

Date of Government Version: 01/12/2009  
Date Data Arrived at EDR: 05/07/2009  
Date Made Active in Reports: 09/21/2009  
Number of Days to Update: 137

Source: EPA, Region 9  
Telephone: 415-947-4219  
Last EDR Contact: 07/22/2015  
Next Scheduled EDR Contact: 11/09/2015  
Data Release Frequency: No Update Planned

## ODI: Open Dump Inventory

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

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

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

## SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 06/15/2015  
Date Data Arrived at EDR: 06/17/2015  
Date Made Active in Reports: 08/03/2015  
Number of Days to Update: 47

Source: Department of Conservation  
Telephone: 916-323-3836  
Last EDR Contact: 06/17/2015  
Next Scheduled EDR Contact: 09/28/2015  
Data Release Frequency: Quarterly

## HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 05/26/2015  
Date Data Arrived at EDR: 05/28/2015  
Date Made Active in Reports: 06/05/2015  
Number of Days to Update: 8

Source: Integrated Waste Management Board  
Telephone: 916-341-6422  
Last EDR Contact: 05/18/2015  
Next Scheduled EDR Contact: 08/31/2015  
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: 05/01/2015  
Next Scheduled EDR Contact: 08/17/2015  
Data Release Frequency: Varies

## WMUDS/SWAT: Waste Management Unit Database

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

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

Source: State Water Resources Control Board  
Telephone: 916-227-4448  
Last EDR Contact: 08/04/2015  
Next Scheduled EDR Contact: 11/23/2015  
Data Release Frequency: No Update Planned



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

### **US CDL: Clandestine Drug Labs**

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

Date of Government Version: 02/25/2015	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 03/10/2015	Telephone: 202-307-1000
Date Made Active in Reports: 03/25/2015	Last EDR Contact: 05/29/2015
Number of Days to Update: 15	Next Scheduled EDR Contact: 09/14/2015
	Data Release Frequency: Quarterly

### **HIST CAL-SITES: Calsites Database**

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

Date of Government Version: 08/08/2005	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 08/03/2006	Telephone: 916-323-3400
Date Made Active in Reports: 08/24/2006	Last EDR Contact: 02/23/2009
Number of Days to Update: 21	Next Scheduled EDR Contact: 05/25/2009
	Data Release Frequency: No Update Planned

### **SCH: School Property Evaluation Program**

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

Date of Government Version: 05/04/2015	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 05/05/2015	Telephone: 916-323-3400
Date Made Active in Reports: 05/14/2015	Last EDR Contact: 08/04/2015
Number of Days to Update: 9	Next Scheduled EDR Contact: 11/16/2015
	Data Release Frequency: Quarterly

### **TOXIC PITS: Toxic Pits Cleanup Act Sites**

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

Date of Government Version: 07/01/1995	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/30/1995	Telephone: 916-227-4364
Date Made Active in Reports: 09/26/1995	Last EDR Contact: 01/26/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/27/2009
	Data Release Frequency: No Update Planned

### **CDL: Clandestine Drug Labs**

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

Date of Government Version: 12/31/2014	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 03/10/2015	Telephone: 916-255-6504
Date Made Active in Reports: 03/18/2015	Last EDR Contact: 07/13/2015
Number of Days to Update: 8	Next Scheduled EDR Contact: 10/28/2015
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## US HIST CDL: National Clandestine Laboratory Register

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

Date of Government Version: 02/25/2015	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 03/10/2015	Telephone: 202-307-1000
Date Made Active in Reports: 03/25/2015	Last EDR Contact: 05/29/2015
Number of Days to Update: 15	Next Scheduled EDR Contact: 09/14/2015
	Data Release Frequency: No Update Planned

## Local Lists of Registered Storage Tanks

### CA FID UST: Facility Inventory Database

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

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

### UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/23/2009	Source: Department of Public Health
Date Data Arrived at EDR: 09/23/2009	Telephone: 707-463-4466
Date Made Active in Reports: 10/01/2009	Last EDR Contact: 06/01/2015
Number of Days to Update: 8	Next Scheduled EDR Contact: 09/14/2015
	Data Release Frequency: Annually

### HIST UST: Hazardous Substance Storage Container Database

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

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

### SWEEPS UST: SWEEPS UST Listing

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

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

## Local Land Records

### LIENS 2: CERCLA Lien Information

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/18/2014  
Date Data Arrived at EDR: 03/18/2014  
Date Made Active in Reports: 04/24/2014  
Number of Days to Update: 37

Source: Environmental Protection Agency  
Telephone: 202-564-6023  
Last EDR Contact: 07/22/2015  
Next Scheduled EDR Contact: 11/09/2015  
Data Release Frequency: Varies

## LIENS: Environmental Liens Listing

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

Date of Government Version: 06/11/2015  
Date Data Arrived at EDR: 06/16/2015  
Date Made Active in Reports: 07/14/2015  
Number of Days to Update: 28

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 06/05/2015  
Next Scheduled EDR Contact: 09/21/2015  
Data Release Frequency: Varies

## DEED: Deed Restriction Listing

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

Date of Government Version: 06/08/2015  
Date Data Arrived at EDR: 06/09/2015  
Date Made Active in Reports: 07/14/2015  
Number of Days to Update: 35

Source: DTSC and SWRCB  
Telephone: 916-323-3400  
Last EDR Contact: 06/09/2015  
Next Scheduled EDR Contact: 09/21/2015  
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: 03/30/2015  
Date Data Arrived at EDR: 03/31/2015  
Date Made Active in Reports: 06/11/2015  
Number of Days to Update: 72

Source: U.S. Department of Transportation  
Telephone: 202-366-4555  
Last EDR Contact: 06/26/2015  
Next Scheduled EDR Contact: 10/12/2015  
Data Release Frequency: Annually

### CHMIRS: California Hazardous Material Incident Report System

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

Date of Government Version: 06/15/2015  
Date Data Arrived at EDR: 07/28/2015  
Date Made Active in Reports: 08/03/2015  
Number of Days to Update: 6

Source: Office of Emergency Services  
Telephone: 916-845-8400  
Last EDR Contact: 07/28/2015  
Next Scheduled EDR Contact: 11/09/2015  
Data Release Frequency: Varies

### LDS: Land Disposal Sites Listing

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

Date of Government Version: 06/15/2015  
Date Data Arrived at EDR: 06/17/2015  
Date Made Active in Reports: 07/14/2015  
Number of Days to Update: 27

Source: State Water Quality Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 06/17/2015  
Next Scheduled EDR Contact: 09/28/2015  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## MCS: Military Cleanup Sites Listing

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

Date of Government Version: 06/15/2015	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/17/2015	Telephone: 866-480-1028
Date Made Active in Reports: 07/14/2015	Last EDR Contact: 06/17/2015
Number of Days to Update: 27	Next Scheduled EDR Contact: 09/28/2015
	Data Release Frequency: Quarterly

## SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 02/22/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 50	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## **Other Ascertainable Records**

### RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

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

Date of Government Version: 03/10/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/31/2015	Telephone: (415) 495-8895
Date Made Active in Reports: 06/11/2015	Last EDR Contact: 06/26/2015
Number of Days to Update: 72	Next Scheduled EDR Contact: 10/12/2015
	Data Release Frequency: Varies

### DOT OPS: Incident and Accident Data

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

Date of Government Version: 07/31/2012	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 08/07/2012	Telephone: 202-366-4595
Date Made Active in Reports: 09/18/2012	Last EDR Contact: 08/04/2015
Number of Days to Update: 42	Next Scheduled EDR Contact: 11/16/2015
	Data Release Frequency: Varies

### DOD: Department of Defense Sites

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

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 07/14/2015
Number of Days to Update: 62	Next Scheduled EDR Contact: 10/28/2015
	Data Release Frequency: Semi-Annually

### FUDS: Formerly Used Defense Sites

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/06/2014  
Date Data Arrived at EDR: 09/10/2014  
Date Made Active in Reports: 09/18/2014  
Number of Days to Update: 8

Source: U.S. Army Corps of Engineers  
Telephone: 202-528-4285  
Last EDR Contact: 07/08/2015  
Next Scheduled EDR Contact: 09/21/2015  
Data Release Frequency: Varies

## CONSENT: Superfund (CERCLA) Consent Decrees

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

Date of Government Version: 12/31/2014  
Date Data Arrived at EDR: 04/17/2015  
Date Made Active in Reports: 06/02/2015  
Number of Days to Update: 46

Source: Department of Justice, Consent Decree Library  
Telephone: Varies  
Last EDR Contact: 06/22/2015  
Next Scheduled EDR Contact: 10/12/2015  
Data Release Frequency: Varies

## ROD: Records Of Decision

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

Date of Government Version: 11/25/2013  
Date Data Arrived at EDR: 12/12/2013  
Date Made Active in Reports: 02/24/2014  
Number of Days to Update: 74

Source: EPA  
Telephone: 703-416-0223  
Last EDR Contact: 06/12/2015  
Next Scheduled EDR Contact: 09/21/2015  
Data Release Frequency: Annually

## UMTRA: Uranium Mill Tailings Sites

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

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

Source: Department of Energy  
Telephone: 505-845-0011  
Last EDR Contact: 05/26/2015  
Next Scheduled EDR Contact: 09/07/2015  
Data Release Frequency: Varies

## US MINES: Mines Master Index File

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

Date of Government Version: 12/30/2014  
Date Data Arrived at EDR: 12/31/2014  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 29

Source: Department of Labor, Mine Safety and Health Administration  
Telephone: 303-231-5959  
Last EDR Contact: 06/03/2015  
Next Scheduled EDR Contact: 09/14/2015  
Data Release Frequency: Semi-Annually

## TRIS: Toxic Chemical Release Inventory System

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

Date of Government Version: 12/31/2013  
Date Data Arrived at EDR: 02/12/2015  
Date Made Active in Reports: 06/02/2015  
Number of Days to Update: 110

Source: EPA  
Telephone: 202-566-0250  
Last EDR Contact: 01/29/2015  
Next Scheduled EDR Contact: 06/08/2015  
Data Release Frequency: Annually

## TSCA: Toxic Substances Control Act

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2012  
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: 06/25/2015  
Next Scheduled EDR Contact: 10/05/2015  
Data Release Frequency: Every 4 Years

**FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)**  
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

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

Source: EPA/Office of Prevention, Pesticides and Toxic Substances  
Telephone: 202-566-1667  
Last EDR Contact: 05/20/2015  
Next Scheduled EDR Contact: 09/07/2015  
Data Release Frequency: Quarterly

**FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)**  
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

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

Source: EPA  
Telephone: 202-566-1667  
Last EDR Contact: 05/20/2015  
Next Scheduled EDR Contact: 09/07/2015  
Data Release Frequency: Quarterly

**HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing**

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

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

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

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

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

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

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

**SSTS: Section 7 Tracking Systems**

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Source: EPA  
Telephone: 202-564-4203  
Last EDR Contact: 07/22/2015  
Next Scheduled EDR Contact: 11/09/2015  
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: 01/23/2015  
Date Data Arrived at EDR: 02/06/2015  
Date Made Active in Reports: 03/09/2015  
Number of Days to Update: 31

Source: Environmental Protection Agency  
Telephone: 202-564-5088  
Last EDR Contact: 07/09/2015  
Next Scheduled EDR Contact: 10/28/2015  
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: 07/01/2014  
Date Data Arrived at EDR: 10/15/2014  
Date Made Active in Reports: 11/17/2014  
Number of Days to Update: 33

Source: EPA  
Telephone: 202-566-0500  
Last EDR Contact: 07/17/2015  
Next Scheduled EDR Contact: 10/28/2015  
Data Release Frequency: Annually

## MLTS: Material Licensing Tracking System

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

Date of Government Version: 03/31/2015  
Date Data Arrived at EDR: 04/09/2015  
Date Made Active in Reports: 06/11/2015  
Number of Days to Update: 63

Source: Nuclear Regulatory Commission  
Telephone: 301-415-7169  
Last EDR Contact: 06/04/2015  
Next Scheduled EDR Contact: 09/21/2015  
Data Release Frequency: Quarterly

## RADINFO: Radiation Information Database

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

Date of Government Version: 04/07/2015  
Date Data Arrived at EDR: 04/09/2015  
Date Made Active in Reports: 06/11/2015  
Number of Days to Update: 63

Source: Environmental Protection Agency  
Telephone: 202-343-9775  
Last EDR Contact: 07/09/2015  
Next Scheduled EDR Contact: 10/19/2015  
Data Release Frequency: Quarterly

## FINDS: Facility Index System/Facility Registry System

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

Date of Government Version: 01/18/2015  
Date Data Arrived at EDR: 02/27/2015  
Date Made Active in Reports: 03/25/2015  
Number of Days to Update: 26

Source: EPA  
Telephone: (415) 947-8000  
Last EDR Contact: 06/10/2015  
Next Scheduled EDR Contact: 09/21/2015  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## RAATS: RCRA Administrative Action Tracking System

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

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

## RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 02/01/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/13/2015	Telephone: 202-564-8600
Date Made Active in Reports: 03/25/2015	Last EDR Contact: 07/22/2015
Number of Days to Update: 40	Next Scheduled EDR Contact: 11/09/2015
	Data Release Frequency: Varies

## BRS: Biennial Reporting System

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

Date of Government Version: 12/31/2011	Source: EPA/NTIS
Date Data Arrived at EDR: 02/26/2013	Telephone: 800-424-9346
Date Made Active in Reports: 04/19/2013	Last EDR Contact: 05/29/2015
Number of Days to Update: 52	Next Scheduled EDR Contact: 09/07/2015
	Data Release Frequency: Biennially

## CA BOND EXP. PLAN: Bond Expenditure Plan

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

Date of Government Version: 01/01/1989	Source: Department of Health Services
Date Data Arrived at EDR: 07/27/1994	Telephone: 916-255-2118
Date Made Active in Reports: 08/02/1994	Last EDR Contact: 05/31/1994
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 05/18/2015	Source: State Water Resources Control Board
Date Data Arrived at EDR: 05/20/2015	Telephone: 916-445-9379
Date Made Active in Reports: 06/11/2015	Last EDR Contact: 05/20/2015
Number of Days to Update: 22	Next Scheduled EDR Contact: 08/31/2015
	Data Release Frequency: Quarterly



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 11/19/2014	Source: Department of Conservation
Date Data Arrived at EDR: 12/15/2014	Telephone: 916-445-2408
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 06/19/2015
Number of Days to Update: 45	Next Scheduled EDR Contact: 09/28/2015
	Data Release Frequency: Varies

## CORTESE: "Cortese" Hazardous Waste & Substances Sites List

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

Date of Government Version: 06/24/2015	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 06/26/2015	Telephone: 916-323-3400
Date Made Active in Reports: 07/14/2015	Last EDR Contact: 06/26/2015
Number of Days to Update: 18	Next Scheduled EDR Contact: 10/12/2015
	Data Release Frequency: Quarterly

## HIST CORTESE: Hazardous Waste & Substance Site List

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

Date of Government Version: 04/01/2001	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/22/2009	Telephone: 916-323-3400
Date Made Active in Reports: 04/08/2009	Last EDR Contact: 01/22/2009
Number of Days to Update: 76	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## NOTIFY 65: Proposition 65 Records

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

Date of Government Version: 10/21/1993	Source: State Water Resources Control Board
Date Data Arrived at EDR: 11/01/1993	Telephone: 916-445-3846
Date Made Active in Reports: 11/19/1993	Last EDR Contact: 06/17/2015
Number of Days to Update: 18	Next Scheduled EDR Contact: 10/05/2015
	Data Release Frequency: No Update Planned

## DRYCLEANERS: Cleaner Facilities

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

Date of Government Version: 02/18/2015	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 02/20/2015	Telephone: 916-327-4498
Date Made Active in Reports: 03/12/2015	Last EDR Contact: 07/31/2015
Number of Days to Update: 20	Next Scheduled EDR Contact: 09/21/2015
	Data Release Frequency: Annually

## WIP: Well Investigation Program Case List

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

Date of Government Version: 07/03/2009	Source: Los Angeles Water Quality Control Board
Date Data Arrived at EDR: 07/21/2009	Telephone: 213-576-6726
Date Made Active in Reports: 08/03/2009	Last EDR Contact: 06/22/2015
Number of Days to Update: 13	Next Scheduled EDR Contact: 10/12/2015
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ENF: Enforcement Action Listing

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

Date of Government Version: 04/30/2015	Source: State Water Resources Control Board
Date Data Arrived at EDR: 05/01/2015	Telephone: 916-445-9379
Date Made Active in Reports: 05/13/2015	Last EDR Contact: 07/24/2015
Number of Days to Update: 12	Next Scheduled EDR Contact: 11/09/2015
	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.

Date of Government Version: 12/31/2013	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 10/15/2014	Telephone: 916-255-1136
Date Made Active in Reports: 11/19/2014	Last EDR Contact: 07/17/2015
Number of Days to Update: 35	Next Scheduled EDR Contact: 10/28/2015
	Data Release Frequency: Annually

## EMI: Emissions Inventory Data

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

Date of Government Version: 12/31/2012	Source: California Air Resources Board
Date Data Arrived at EDR: 03/25/2014	Telephone: 916-322-2990
Date Made Active in Reports: 04/28/2014	Last EDR Contact: 06/25/2015
Number of Days to Update: 34	Next Scheduled EDR Contact: 10/05/2015
	Data Release Frequency: Varies

## INDIAN RESERV: Indian Reservations

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

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 12/08/2006	Telephone: 202-208-3710
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 07/14/2015
Number of Days to Update: 34	Next Scheduled EDR Contact: 10/28/2015
	Data Release Frequency: Semi-Annually

## SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

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

Date of Government Version: 03/07/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/09/2011	Telephone: 615-532-8599
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 05/21/2015
Number of Days to Update: 54	Next Scheduled EDR Contact: 08/31/2015
	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: 05/07/2015  
Date Data Arrived at EDR: 06/09/2015  
Date Made Active in Reports: 07/14/2015  
Number of Days to Update: 35

Source: Department of Public Health  
Telephone: 916-558-1784  
Last EDR Contact: 06/09/2015  
Next Scheduled EDR Contact: 09/21/2015  
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  
Date Data Arrived at EDR: 09/10/2014  
Date Made Active in Reports: 10/20/2014  
Number of Days to Update: 40

Source: Environmental Protection Agency  
Telephone: N/A  
Last EDR Contact: 06/12/2015  
Next Scheduled EDR Contact: 09/21/2015  
Data Release Frequency: Varies

## HWT: Registered Hazardous Waste Transporter Database

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

Date of Government Version: 07/13/2015  
Date Data Arrived at EDR: 07/14/2015  
Date Made Active in Reports: 08/03/2015  
Number of Days to Update: 20

Source: Department of Toxic Substances Control  
Telephone: 916-440-7145  
Last EDR Contact: 07/14/2015  
Next Scheduled EDR Contact: 10/28/2015  
Data Release Frequency: Quarterly

## HWP: EnviroStor Permitted Facilities Listing

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

Date of Government Version: 05/26/2015  
Date Data Arrived at EDR: 05/28/2015  
Date Made Active in Reports: 06/05/2015  
Number of Days to Update: 8

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 05/28/2015  
Next Scheduled EDR Contact: 09/07/2015  
Data Release Frequency: Quarterly

## Financial Assurance 2: Financial Assurance Information Listing

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

Date of Government Version: 05/18/2015  
Date Data Arrived at EDR: 05/22/2015  
Date Made Active in Reports: 06/05/2015  
Number of Days to Update: 14

Source: California Integrated Waste Management Board  
Telephone: 916-341-6066  
Last EDR Contact: 05/18/2015  
Next Scheduled EDR Contact: 08/31/2015  
Data Release Frequency: Varies

## Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 04/30/2015  
Date Data Arrived at EDR: 05/01/2015  
Date Made Active in Reports: 05/13/2015  
Number of Days to Update: 12

Source: Department of Toxic Substances Control  
Telephone: 916-255-3628  
Last EDR Contact: 07/24/2015  
Next Scheduled EDR Contact: 11/09/2015  
Data Release Frequency: Varies

## PCB TRANSFORMER: PCB Transformer Registration Database

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

Date of Government Version: 02/01/2011  
Date Data Arrived at EDR: 10/19/2011  
Date Made Active in Reports: 01/10/2012  
Number of Days to Update: 83

Source: Environmental Protection Agency  
Telephone: 202-566-0517  
Last EDR Contact: 07/31/2015  
Next Scheduled EDR Contact: 11/09/2015  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 06/15/2015  
Date Data Arrived at EDR: 06/17/2015  
Date Made Active in Reports: 07/14/2015  
Number of Days to Update: 27

Source: Department of Conservation  
Telephone: 916-323-3836  
Last EDR Contact: 06/17/2015  
Next Scheduled EDR Contact: 09/28/2015  
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: 08/04/2015  
Next Scheduled EDR Contact: 11/23/2015  
Data Release Frequency: Quarterly

## US FIN ASSUR: Financial Assurance Information

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

Date of Government Version: 03/09/2015  
Date Data Arrived at EDR: 03/10/2015  
Date Made Active in Reports: 03/25/2015  
Number of Days to Update: 15

Source: Environmental Protection Agency  
Telephone: 202-566-1917  
Last EDR Contact: 05/14/2015  
Next Scheduled EDR Contact: 08/31/2015  
Data Release Frequency: Quarterly

## PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013  
Date Data Arrived at EDR: 10/17/2014  
Date Made Active in Reports: 10/20/2014  
Number of Days to Update: 3

Source: EPA  
Telephone: 202-564-6023  
Last EDR Contact: 05/14/2015  
Next Scheduled EDR Contact: 08/24/2015  
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: 05/14/2015  
Next Scheduled EDR Contact: 08/24/2015  
Data Release Frequency: Varies

## LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/25/2014  
Date Data Arrived at EDR: 11/26/2014  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 64

Source: Environmental Protection Agency  
Telephone: 703-603-8787  
Last EDR Contact: 07/07/2015  
Next Scheduled EDR Contact: 10/19/2015  
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 MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/16/2014  
Date Data Arrived at EDR: 10/31/2014  
Date Made Active in Reports: 11/17/2014  
Number of Days to Update: 17

Source: EPA  
Telephone: 202-564-2496  
Last EDR Contact: 06/22/2015  
Next Scheduled EDR Contact: 10/22/2015  
Data Release Frequency: Annually

## 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: 05/20/2015  
Next Scheduled EDR Contact: 09/07/2015  
Data Release Frequency: Quarterly

## 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: 10/16/2014  
Date Data Arrived at EDR: 10/31/2014  
Date Made Active in Reports: 11/17/2014  
Number of Days to Update: 17

Source: EPA  
Telephone: 202-564-2496  
Last EDR Contact: 06/22/2015  
Next Scheduled EDR Contact: 10/05/2015  
Data Release Frequency: Annually

## FEDLAND: Federal and Indian Lands

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

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

Source: U.S. Geological Survey  
Telephone: 888-275-8747  
Last EDR Contact: 07/14/2015  
Next Scheduled EDR Contact: 10/28/2015  
Data Release Frequency: N/A

# 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: 07/13/2015
Number of Days to Update: 76	Next Scheduled EDR Contact: 10/28/2015
	Data Release Frequency: Varies

## EDR HIGH RISK HISTORICAL RECORDS

### *EDR Exclusive Records*

#### EDR MGP: EDR Proprietary Manufactured Gas Plants

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

Date of Government Version: N/A	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

#### EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

#### EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## EDR RECOVERED GOVERNMENT ARCHIVES

### *Exclusive Recovered Govt. Archives*

#### RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A	Source: Department of Resources Recycling and Recovery
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/13/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 196	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

#### RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A	Source: State Water Resources Control Board
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 12/30/2013	Last EDR Contact: 06/01/2012
Number of Days to Update: 182	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

## COUNTY RECORDS

### ALAMEDA COUNTY:

#### Contaminated Sites

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

Date of Government Version: 01/21/2015	Source: Alameda County Environmental Health Services
Date Data Arrived at EDR: 01/28/2015	Telephone: 510-567-6700
Date Made Active in Reports: 02/26/2015	Last EDR Contact: 08/10/2015
Number of Days to Update: 29	Next Scheduled EDR Contact: 10/28/2015
	Data Release Frequency: Semi-Annually

#### Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 07/21/2015	Source: Alameda County Environmental Health Services
Date Data Arrived at EDR: 07/22/2015	Telephone: 510-567-6700
Date Made Active in Reports: 08/03/2015	Last EDR Contact: 07/13/2015
Number of Days to Update: 12	Next Scheduled EDR Contact: 10/28/2015
	Data Release Frequency: Semi-Annually

### AMADOR COUNTY:

#### CUPA Facility List

Cupa Facility List

Date of Government Version: 06/05/2015	Source: Amador County Environmental Health
Date Data Arrived at EDR: 06/09/2015	Telephone: 209-223-6439
Date Made Active in Reports: 07/10/2015	Last EDR Contact: 06/05/2015
Number of Days to Update: 31	Next Scheduled EDR Contact: 09/21/2015
	Data Release Frequency: Varies

### BUTTE COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA Facility Listing

Cupa facility list.

Date of Government Version: 11/20/2014  
Date Data Arrived at EDR: 11/24/2014  
Date Made Active in Reports: 01/07/2015  
Number of Days to Update: 44

Source: Public Health Department  
Telephone: 530-538-7149  
Last EDR Contact: 07/13/2015  
Next Scheduled EDR Contact: 10/28/2015  
Data Release Frequency: No Update Planned

## CALVERAS COUNTY:

### CUPA Facility Listing

Cupa Facility Listing

Date of Government Version: 07/15/2015  
Date Data Arrived at EDR: 07/17/2015  
Date Made Active in Reports: 08/03/2015  
Number of Days to Update: 17

Source: Calveras County Environmental Health  
Telephone: 209-754-6399  
Last EDR Contact: 06/22/2015  
Next Scheduled EDR Contact: 10/12/2015  
Data Release Frequency: Quarterly

## COLUSA COUNTY:

### CUPA Facility List

Cupa facility list.

Date of Government Version: 06/11/2014  
Date Data Arrived at EDR: 06/13/2014  
Date Made Active in Reports: 07/07/2014  
Number of Days to Update: 24

Source: Health & Human Services  
Telephone: 530-458-0396  
Last EDR Contact: 06/12/2015  
Next Scheduled EDR Contact: 08/24/2015  
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: 05/26/2015  
Date Data Arrived at EDR: 05/29/2015  
Date Made Active in Reports: 06/11/2015  
Number of Days to Update: 13

Source: Contra Costa Health Services Department  
Telephone: 925-646-2286  
Last EDR Contact: 08/03/2015  
Next Scheduled EDR Contact: 11/16/2015  
Data Release Frequency: Semi-Annually

## DEL NORTE COUNTY:

### CUPA Facility List

Cupa Facility list

Date of Government Version: 05/19/2015  
Date Data Arrived at EDR: 05/22/2015  
Date Made Active in Reports: 06/05/2015  
Number of Days to Update: 14

Source: Del Norte County Environmental Health Division  
Telephone: 707-465-0426  
Last EDR Contact: 07/31/2015  
Next Scheduled EDR Contact: 11/16/2015  
Data Release Frequency: Varies

## EL DORADO COUNTY:



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA Facility List

CUPA facility list.

Date of Government Version: 05/26/2015  
Date Data Arrived at EDR: 05/29/2015  
Date Made Active in Reports: 06/05/2015  
Number of Days to Update: 7

Source: El Dorado County Environmental Management Department  
Telephone: 530-621-6623  
Last EDR Contact: 08/03/2015  
Next Scheduled EDR Contact: 11/16/2015  
Data Release Frequency: Varies

## FRESNO COUNTY:

### CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 07/13/2015  
Date Data Arrived at EDR: 07/14/2015  
Date Made Active in Reports: 08/03/2015  
Number of Days to Update: 20

Source: Dept. of Community Health  
Telephone: 559-445-3271  
Last EDR Contact: 07/06/2015  
Next Scheduled EDR Contact: 10/19/2015  
Data Release Frequency: Semi-Annually

## HUMBOLDT COUNTY:

### CUPA Facility List

CUPA facility list.

Date of Government Version: 03/11/2015  
Date Data Arrived at EDR: 03/13/2015  
Date Made Active in Reports: 03/24/2015  
Number of Days to Update: 11

Source: Humboldt County Environmental Health  
Telephone: N/A  
Last EDR Contact: 07/14/2015  
Next Scheduled EDR Contact: 09/07/2015  
Data Release Frequency: Varies

## IMPERIAL COUNTY:

### CUPA Facility List

Cupa facility list.

Date of Government Version: 04/27/2015  
Date Data Arrived at EDR: 04/28/2015  
Date Made Active in Reports: 05/13/2015  
Number of Days to Update: 15

Source: San Diego Border Field Office  
Telephone: 760-339-2777  
Last EDR Contact: 07/24/2015  
Next Scheduled EDR Contact: 11/09/2015  
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: 05/21/2015  
Next Scheduled EDR Contact: 09/07/2015  
Data Release Frequency: Varies

## KERN COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 05/19/2015  
Date Data Arrived at EDR: 06/18/2015  
Date Made Active in Reports: 07/22/2015  
Number of Days to Update: 34

Source: Kern County Environment Health Services Department  
Telephone: 661-862-8700  
Last EDR Contact: 06/12/2015  
Next Scheduled EDR Contact: 08/24/2015  
Data Release Frequency: Quarterly

## KINGS COUNTY:

### CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 05/26/2015  
Date Data Arrived at EDR: 05/28/2015  
Date Made Active in Reports: 06/15/2015  
Number of Days to Update: 18

Source: Kings County Department of Public Health  
Telephone: 559-584-1411  
Last EDR Contact: 05/21/2015  
Next Scheduled EDR Contact: 09/07/2015  
Data Release Frequency: Varies

## LAKE COUNTY:

### CUPA Facility List

Cupa facility list

Date of Government Version: 05/05/2015  
Date Data Arrived at EDR: 05/07/2015  
Date Made Active in Reports: 05/20/2015  
Number of Days to Update: 13

Source: Lake County Environmental Health  
Telephone: 707-263-1164  
Last EDR Contact: 07/20/2015  
Next Scheduled EDR Contact: 11/02/2015  
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: 06/17/2015  
Next Scheduled EDR Contact: 10/05/2015  
Data Release Frequency: No Update Planned

### HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 11/24/2014  
Date Data Arrived at EDR: 01/30/2015  
Date Made Active in Reports: 03/04/2015  
Number of Days to Update: 33

Source: Department of Public Works  
Telephone: 626-458-3517  
Last EDR Contact: 07/10/2015  
Next Scheduled EDR Contact: 10/28/2015  
Data Release Frequency: Semi-Annually

### List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/20/2015  
Date Data Arrived at EDR: 07/21/2015  
Date Made Active in Reports: 08/03/2015  
Number of Days to Update: 13

Source: La County Department of Public Works  
Telephone: 818-458-5185  
Last EDR Contact: 07/21/2015  
Next Scheduled EDR Contact: 11/02/2015  
Data Release Frequency: Varies

## City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/05/2009  
Date Data Arrived at EDR: 03/10/2009  
Date Made Active in Reports: 04/08/2009  
Number of Days to Update: 29

Source: Engineering & Construction Division  
Telephone: 213-473-7869  
Last EDR Contact: 07/20/2015  
Next Scheduled EDR Contact: 11/02/2015  
Data Release Frequency: Varies

## Site Mitigation List

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

Date of Government Version: 01/15/2015  
Date Data Arrived at EDR: 01/29/2015  
Date Made Active in Reports: 03/10/2015  
Number of Days to Update: 40

Source: Community Health Services  
Telephone: 323-890-7806  
Last EDR Contact: 07/15/2015  
Next Scheduled EDR Contact: 11/02/2015  
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  
Date Data Arrived at EDR: 04/02/2015  
Date Made Active in Reports: 04/13/2015  
Number of Days to Update: 11

Source: City of El Segundo Fire Department  
Telephone: 310-524-2236  
Last EDR Contact: 07/17/2015  
Next Scheduled EDR Contact: 11/02/2015  
Data Release Frequency: Semi-Annually

## City of Long Beach Underground Storage Tank

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

Date of Government Version: 03/03/2015  
Date Data Arrived at EDR: 05/26/2015  
Date Made Active in Reports: 06/11/2015  
Number of Days to Update: 16

Source: City of Long Beach Fire Department  
Telephone: 562-570-2563  
Last EDR Contact: 07/27/2015  
Next Scheduled EDR Contact: 11/09/2015  
Data Release Frequency: Annually

## City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 06/03/2015  
Date Data Arrived at EDR: 06/04/2015  
Date Made Active in Reports: 07/06/2015  
Number of Days to Update: 32

Source: City of Torrance Fire Department  
Telephone: 310-618-2973  
Last EDR Contact: 06/04/2015  
Next Scheduled EDR Contact: 10/28/2015  
Data Release Frequency: Semi-Annually

## MADERA COUNTY:

### CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/28/2015  
Date Data Arrived at EDR: 05/29/2015  
Date Made Active in Reports: 06/15/2015  
Number of Days to Update: 17

Source: Madera County Environmental Health  
Telephone: 559-675-7823  
Last EDR Contact: 05/22/2015  
Next Scheduled EDR Contact: 09/07/2015  
Data Release Frequency: Varies

## MARIN COUNTY:

### Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 10/08/2014  
Date Data Arrived at EDR: 10/22/2014  
Date Made Active in Reports: 12/15/2014  
Number of Days to Update: 54

Source: Public Works Department Waste Management  
Telephone: 415-499-6647  
Last EDR Contact: 07/06/2015  
Next Scheduled EDR Contact: 10/19/2015  
Data Release Frequency: Semi-Annually

## MERCED COUNTY:

### CUPA Facility List

CUPA facility list.

Date of Government Version: 05/22/2015  
Date Data Arrived at EDR: 05/26/2015  
Date Made Active in Reports: 06/05/2015  
Number of Days to Update: 10

Source: Merced County Environmental Health  
Telephone: 209-381-1094  
Last EDR Contact: 05/22/2015  
Next Scheduled EDR Contact: 09/07/2015  
Data Release Frequency: Varies

## MONO COUNTY:

### CUPA Facility List

CUPA Facility List

Date of Government Version: 06/01/2015  
Date Data Arrived at EDR: 06/03/2015  
Date Made Active in Reports: 07/06/2015  
Number of Days to Update: 33

Source: Mono County Health Department  
Telephone: 760-932-5580  
Last EDR Contact: 06/01/2015  
Next Scheduled EDR Contact: 09/14/2015  
Data Release Frequency: Varies

## MONTEREY COUNTY:

### CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 06/30/2015  
Date Data Arrived at EDR: 07/07/2015  
Date Made Active in Reports: 07/16/2015  
Number of Days to Update: 9

Source: Monterey County Health Department  
Telephone: 831-796-1297  
Last EDR Contact: 05/26/2015  
Next Scheduled EDR Contact: 09/07/2015  
Data Release Frequency: Varies

## NAPA COUNTY:

### Sites With Reported Contamination

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/05/2011  
Date Data Arrived at EDR: 12/06/2011  
Date Made Active in Reports: 02/07/2012  
Number of Days to Update: 63

Source: Napa County Department of Environmental Management  
Telephone: 707-253-4269  
Last EDR Contact: 06/01/2015  
Next Scheduled EDR Contact: 09/14/2015  
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: 06/01/2015  
Next Scheduled EDR Contact: 09/14/2015  
Data Release Frequency: No Update Planned

## NEVADA COUNTY:

### CUPA Facility List

CUPA facility list.

Date of Government Version: 06/03/2015  
Date Data Arrived at EDR: 06/04/2015  
Date Made Active in Reports: 07/22/2015  
Number of Days to Update: 48

Source: Community Development Agency  
Telephone: 530-265-1467  
Last EDR Contact: 07/31/2015  
Next Scheduled EDR Contact: 11/16/2015  
Data Release Frequency: Varies

## ORANGE COUNTY:

### List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 05/01/2015  
Date Data Arrived at EDR: 05/12/2015  
Date Made Active in Reports: 06/05/2015  
Number of Days to Update: 24

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 05/06/2015  
Next Scheduled EDR Contact: 08/24/2015  
Data Release Frequency: Annually

### List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 05/01/2015  
Date Data Arrived at EDR: 05/12/2015  
Date Made Active in Reports: 06/08/2015  
Number of Days to Update: 27

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 05/06/2015  
Next Scheduled EDR Contact: 08/24/2015  
Data Release Frequency: Quarterly

### List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 05/01/2015  
Date Data Arrived at EDR: 05/12/2015  
Date Made Active in Reports: 06/11/2015  
Number of Days to Update: 30

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 05/12/2015  
Next Scheduled EDR Contact: 08/24/2015  
Data Release Frequency: Quarterly

## PLACER COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 03/10/2015  
Date Data Arrived at EDR: 03/12/2015  
Date Made Active in Reports: 03/18/2015  
Number of Days to Update: 6

Source: Placer County Health and Human Services  
Telephone: 530-745-2363  
Last EDR Contact: 06/22/2015  
Next Scheduled EDR Contact: 09/21/2015  
Data Release Frequency: Semi-Annually

## RIVERSIDE COUNTY:

### Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 07/15/2015  
Date Data Arrived at EDR: 07/17/2015  
Date Made Active in Reports: 08/03/2015  
Number of Days to Update: 17

Source: Department of Environmental Health  
Telephone: 951-358-5055  
Last EDR Contact: 06/22/2015  
Next Scheduled EDR Contact: 10/05/2015  
Data Release Frequency: Quarterly

### Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 07/15/2015  
Date Data Arrived at EDR: 07/17/2015  
Date Made Active in Reports: 08/03/2015  
Number of Days to Update: 17

Source: Department of Environmental Health  
Telephone: 951-358-5055  
Last EDR Contact: 06/22/2015  
Next Scheduled EDR Contact: 10/05/2015  
Data Release Frequency: Quarterly

## SACRAMENTO COUNTY:

### Toxic Site Clean-Up List

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

Date of Government Version: 05/07/2015  
Date Data Arrived at EDR: 07/24/2015  
Date Made Active in Reports: 08/03/2015  
Number of Days to Update: 10

Source: Sacramento County Environmental Management  
Telephone: 916-875-8406  
Last EDR Contact: 07/22/2015  
Next Scheduled EDR Contact: 10/19/2015  
Data Release Frequency: Quarterly

### Master Hazardous Materials Facility List

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

Date of Government Version: 05/07/2015  
Date Data Arrived at EDR: 07/27/2015  
Date Made Active in Reports: 08/03/2015  
Number of Days to Update: 7

Source: Sacramento County Environmental Management  
Telephone: 916-875-8406  
Last EDR Contact: 07/22/2015  
Next Scheduled EDR Contact: 10/19/2015  
Data Release Frequency: Quarterly

## SAN BERNARDINO COUNTY:

### Hazardous Material Permits

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/30/2015  
Date Data Arrived at EDR: 07/07/2015  
Date Made Active in Reports: 07/14/2015  
Number of Days to Update: 7

Source: San Bernardino County Fire Department Hazardous Materials Division  
Telephone: 909-387-3041  
Last EDR Contact: 05/12/2015  
Next Scheduled EDR Contact: 08/24/2015  
Data Release Frequency: Quarterly

## SAN DIEGO COUNTY:

### Hazardous Materials Management Division Database

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

Date of Government Version: 09/23/2013  
Date Data Arrived at EDR: 09/24/2013  
Date Made Active in Reports: 10/17/2013  
Number of Days to Update: 23

Source: Hazardous Materials Management Division  
Telephone: 619-338-2268  
Last EDR Contact: 06/05/2015  
Next Scheduled EDR Contact: 09/21/2015  
Data Release Frequency: Quarterly

### Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2014  
Date Data Arrived at EDR: 11/21/2014  
Date Made Active in Reports: 12/29/2014  
Number of Days to Update: 38

Source: Department of Health Services  
Telephone: 619-338-2209  
Last EDR Contact: 07/22/2015  
Next Scheduled EDR Contact: 11/09/2015  
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: 06/03/2015  
Next Scheduled EDR Contact: 09/21/2015  
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: 05/06/2015  
Next Scheduled EDR Contact: 08/24/2015  
Data Release Frequency: Quarterly

### Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

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

Source: Department of Public Health  
Telephone: 415-252-3920  
Last EDR Contact: 05/06/2015  
Next Scheduled EDR Contact: 08/24/2015  
Data Release Frequency: Quarterly

## SAN JOAQUIN COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## San Joaquin Co. UST

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

Date of Government Version: 06/22/2015  
Date Data Arrived at EDR: 06/26/2015  
Date Made Active in Reports: 07/06/2015  
Number of Days to Update: 10

Source: Environmental Health Department  
Telephone: N/A  
Last EDR Contact: 06/17/2015  
Next Scheduled EDR Contact: 10/05/2015  
Data Release Frequency: Semi-Annually

## SAN LUIS OBISPO COUNTY:

### CUPA Facility List

Cupa Facility List.

Date of Government Version: 05/22/2015  
Date Data Arrived at EDR: 05/26/2015  
Date Made Active in Reports: 06/10/2015  
Number of Days to Update: 15

Source: San Luis Obispo County Public Health Department  
Telephone: 805-781-5596  
Last EDR Contact: 05/20/2015  
Next Scheduled EDR Contact: 09/07/2015  
Data Release Frequency: Varies

## SAN MATEO COUNTY:

### Business Inventory

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

Date of Government Version: 07/20/2015  
Date Data Arrived at EDR: 07/22/2015  
Date Made Active in Reports: 08/03/2015  
Number of Days to Update: 12

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 06/15/2015  
Next Scheduled EDR Contact: 09/28/2015  
Data Release Frequency: Annually

### Fuel Leak List

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

Date of Government Version: 06/10/2015  
Date Data Arrived at EDR: 06/16/2015  
Date Made Active in Reports: 07/14/2015  
Number of Days to Update: 28

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 06/10/2015  
Next Scheduled EDR Contact: 06/29/2015  
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: 05/22/2015  
Next Scheduled EDR Contact: 09/07/2015  
Data Release Frequency: Varies

## SANTA CLARA COUNTY:

### Cupa Facility List

Cupa facility list



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/10/2015  
Date Data Arrived at EDR: 06/16/2015  
Date Made Active in Reports: 07/10/2015  
Number of Days to Update: 24

Source: Department of Environmental Health  
Telephone: 408-918-1973  
Last EDR Contact: 06/05/2015  
Next Scheduled EDR Contact: 09/07/2015  
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: 06/01/2015  
Next Scheduled EDR Contact: 09/14/2015  
Data Release Frequency: Annually

## Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 05/07/2015  
Date Data Arrived at EDR: 05/12/2015  
Date Made Active in Reports: 06/08/2015  
Number of Days to Update: 27

Source: City of San Jose Fire Department  
Telephone: 408-535-7694  
Last EDR Contact: 05/07/2015  
Next Scheduled EDR Contact: 08/24/2015  
Data Release Frequency: Annually

## SANTA CRUZ COUNTY:

### CUPA Facility List

CUPA facility listing.

Date of Government Version: 05/22/2015  
Date Data Arrived at EDR: 05/26/2015  
Date Made Active in Reports: 06/08/2015  
Number of Days to Update: 13

Source: Santa Cruz County Environmental Health  
Telephone: 831-464-2761  
Last EDR Contact: 05/22/2015  
Next Scheduled EDR Contact: 09/07/2015  
Data Release Frequency: Varies

## SHASTA COUNTY:

### CUPA Facility List

Cupa Facility List.

Date of Government Version: 06/12/2015  
Date Data Arrived at EDR: 06/16/2015  
Date Made Active in Reports: 07/10/2015  
Number of Days to Update: 24

Source: Shasta County Department of Resource Management  
Telephone: 530-225-5789  
Last EDR Contact: 05/26/2015  
Next Scheduled EDR Contact: 09/07/2015  
Data Release Frequency: Varies

## SOLANO COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Leaking Underground Storage Tanks

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

Date of Government Version: 06/19/2015  
Date Data Arrived at EDR: 06/24/2015  
Date Made Active in Reports: 07/14/2015  
Number of Days to Update: 20

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 06/10/2015  
Next Scheduled EDR Contact: 09/28/2015  
Data Release Frequency: Quarterly

## Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 06/19/2015  
Date Data Arrived at EDR: 06/30/2015  
Date Made Active in Reports: 07/07/2015  
Number of Days to Update: 7

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 06/10/2015  
Next Scheduled EDR Contact: 09/28/2015  
Data Release Frequency: Quarterly

## SONOMA COUNTY:

### Cupa Facility List

Cupa Facility list

Date of Government Version: 06/22/2015  
Date Data Arrived at EDR: 06/26/2015  
Date Made Active in Reports: 07/14/2015  
Number of Days to Update: 18

Source: County of Sonoma Fire & Emergency Services Department  
Telephone: 707-565-1174  
Last EDR Contact: 06/22/2015  
Next Scheduled EDR Contact: 10/12/2015  
Data Release Frequency: Varies

### Leaking Underground Storage Tank Sites

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

Date of Government Version: 07/01/2015  
Date Data Arrived at EDR: 07/07/2015  
Date Made Active in Reports: 07/14/2015  
Number of Days to Update: 7

Source: Department of Health Services  
Telephone: 707-565-6565  
Last EDR Contact: 06/22/2015  
Next Scheduled EDR Contact: 10/12/2015  
Data Release Frequency: Quarterly

## SUTTER COUNTY:

### Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 06/05/2015  
Date Data Arrived at EDR: 06/09/2015  
Date Made Active in Reports: 07/06/2015  
Number of Days to Update: 27

Source: Sutter County Department of Agriculture  
Telephone: 530-822-7500  
Last EDR Contact: 06/05/2015  
Next Scheduled EDR Contact: 09/21/2015  
Data Release Frequency: Semi-Annually

## TUOLUMNE COUNTY:

### CUPA Facility List

Cupa facility list

Date of Government Version: 07/13/2015  
Date Data Arrived at EDR: 07/28/2015  
Date Made Active in Reports: 08/03/2015  
Number of Days to Update: 6

Source: Division of Environmental Health  
Telephone: 209-533-5633  
Last EDR Contact: 07/24/2015  
Next Scheduled EDR Contact: 11/09/2015  
Data Release Frequency: Varies

## VENTURA COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

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

Date of Government Version: 06/26/2015	Source: Ventura County Environmental Health Division
Date Data Arrived at EDR: 07/17/2015	Telephone: 805-654-2813
Date Made Active in Reports: 08/03/2015	Last EDR Contact: 07/15/2015
Number of Days to Update: 17	Next Scheduled EDR Contact: 08/31/2015
	Data Release Frequency: Quarterly

## Inventory of Illegal Abandoned and Inactive Sites

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

Date of Government Version: 12/01/2011	Source: Environmental Health Division
Date Data Arrived at EDR: 12/01/2011	Telephone: 805-654-2813
Date Made Active in Reports: 01/19/2012	Last EDR Contact: 06/26/2015
Number of Days to Update: 49	Next Scheduled EDR Contact: 10/19/2015
	Data Release Frequency: Annually

## Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008	Source: Environmental Health Division
Date Data Arrived at EDR: 06/24/2008	Telephone: 805-654-2813
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 05/18/2015
Number of Days to Update: 37	Next Scheduled EDR Contact: 08/31/2015
	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: 04/27/2015	Source: Ventura County Resource Management Agency
Date Data Arrived at EDR: 04/29/2015	Telephone: 805-654-2813
Date Made Active in Reports: 05/13/2015	Last EDR Contact: 07/27/2015
Number of Days to Update: 14	Next Scheduled EDR Contact: 11/09/2015
	Data Release Frequency: Quarterly

## Underground Tank Closed Sites List

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

Date of Government Version: 05/27/2015	Source: Environmental Health Division
Date Data Arrived at EDR: 06/17/2015	Telephone: 805-654-2813
Date Made Active in Reports: 07/06/2015	Last EDR Contact: 06/17/2015
Number of Days to Update: 19	Next Scheduled EDR Contact: 09/28/2015
	Data Release Frequency: Quarterly

## YOLO COUNTY:

### Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 07/08/2015	Source: Yolo County Department of Health
Date Data Arrived at EDR: 07/13/2015	Telephone: 530-666-8646
Date Made Active in Reports: 07/22/2015	Last EDR Contact: 07/06/2015
Number of Days to Update: 9	Next Scheduled EDR Contact: 10/05/2015
	Data Release Frequency: Annually

## YUBA COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 05/18/2015  
Date Data Arrived at EDR: 05/19/2015  
Date Made Active in Reports: 06/05/2015  
Number of Days to Update: 17

Source: Yuba County Environmental Health Department  
Telephone: 530-749-7523  
Last EDR Contact: 07/31/2015  
Next Scheduled EDR Contact: 11/16/2015  
Data Release Frequency: Varies

## OTHER DATABASE(S)

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

### CT MANIFEST: Hazardous Waste Manifest Data

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

Date of Government Version: 07/30/2013  
Date Data Arrived at EDR: 08/19/2013  
Date Made Active in Reports: 10/03/2013  
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection  
Telephone: 860-424-3375  
Last EDR Contact: 05/18/2015  
Next Scheduled EDR Contact: 08/31/2015  
Data Release Frequency: No Update Planned

### NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2012  
Date Data Arrived at EDR: 04/29/2015  
Date Made Active in Reports: 05/29/2015  
Number of Days to Update: 30

Source: Department of Environmental Protection  
Telephone: N/A  
Last EDR Contact: 07/13/2015  
Next Scheduled EDR Contact: 10/28/2015  
Data Release Frequency: Annually

### NY MANIFEST: Facility and Manifest Data

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

Date of Government Version: 05/01/2015  
Date Data Arrived at EDR: 05/06/2015  
Date Made Active in Reports: 05/20/2015  
Number of Days to Update: 14

Source: Department of Environmental Conservation  
Telephone: 518-402-8651  
Last EDR Contact: 05/06/2015  
Next Scheduled EDR Contact: 08/17/2015  
Data Release Frequency: Annually

### PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2013  
Date Data Arrived at EDR: 07/21/2014  
Date Made Active in Reports: 08/25/2014  
Number of Days to Update: 35

Source: Department of Environmental Protection  
Telephone: 717-783-8990  
Last EDR Contact: 07/20/2015  
Next Scheduled EDR Contact: 11/02/2015  
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: 05/26/2015  
Next Scheduled EDR Contact: 09/07/2015  
Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2014  
Date Data Arrived at EDR: 03/19/2015  
Date Made Active in Reports: 04/07/2015  
Number of Days to Update: 19

Source: Department of Natural Resources  
Telephone: N/A  
Last EDR Contact: 06/11/2015  
Next Scheduled EDR Contact: 09/28/2015  
Data Release Frequency: Annually

## Oil/Gas Pipelines

Source: PennWell Corporation

Telephone: 281-546-1505

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

Telephone: 800-823-6277

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

## AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

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

## Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

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

## Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

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

## Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

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

## Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

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

## Daycare Centers: Licensed Facilities

Source: Department of Social Services

Telephone: 916-657-4041

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

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

Current USGS 7.5 Minute Topographic Map  
Source: U.S. Geological Survey

### STREET AND ADDRESS INFORMATION

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## **GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE ADDENDUM**

### **TARGET PROPERTY ADDRESS**

OCEAN RANCH SUBSTATION PROPERTY  
ROCKY POINT DRIVE  
OCEANSIDE, CA 92056

### **TARGET PROPERTY COORDINATES**

Latitude (North):	33.2108 - 33° 12' 38.88"
Longitude (West):	117.2939 - 117° 17' 38.04"
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	472609.9
UTM Y (Meters):	3674503.2
Elevation:	312 ft. above sea level

### **USGS TOPOGRAPHIC MAP**

Target Property Map:	5641318 SAN LUIS REY, CA
Version Date:	2012

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

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

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

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

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW DIRECTION INFORMATION

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

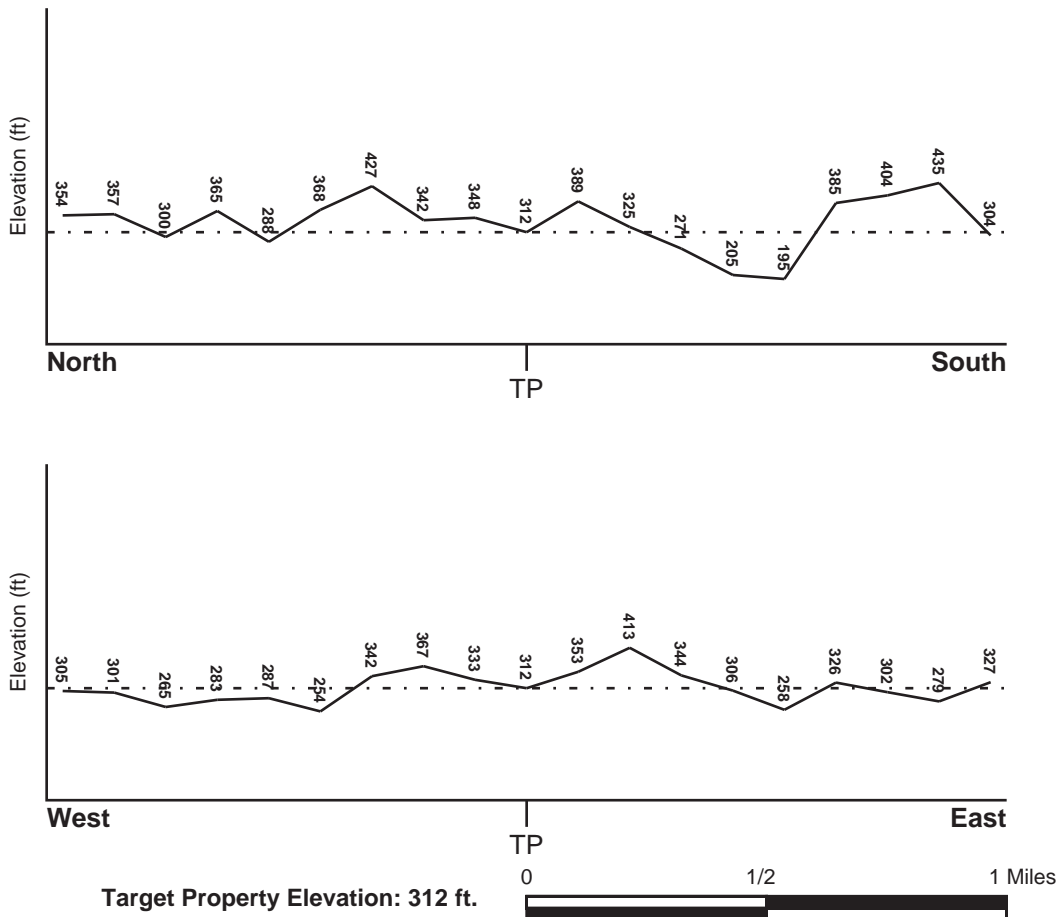
## TOPOGRAPHIC INFORMATION

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

## TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SW

## SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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



# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## HYDROLOGIC INFORMATION

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

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

## FEMA FLOOD ZONE

Target Property County  
SAN DIEGO, CA

FEMA Flood  
Electronic Data  
YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 06073C - FEMA DFIRM Flood data

Additional Panels in search area: Not Reported

## NATIONAL WETLAND INVENTORY

NWI Quad at Target Property  
SAN LUIS REY

NWI Electronic  
Data Coverage  
YES - refer to the Overview Map and Detail Map

## HYDROGEOLOGIC INFORMATION

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

### *Site-Specific Hydrogeological Data\*:*

Search Radius: 1.25 miles  
Status: Not found

## AQUIFLOW®

Search Radius: 1.000 Mile.

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

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

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### GROUNDWATER FLOW VELOCITY INFORMATION

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

### GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

#### **ROCK STRATIGRAPHIC UNIT**

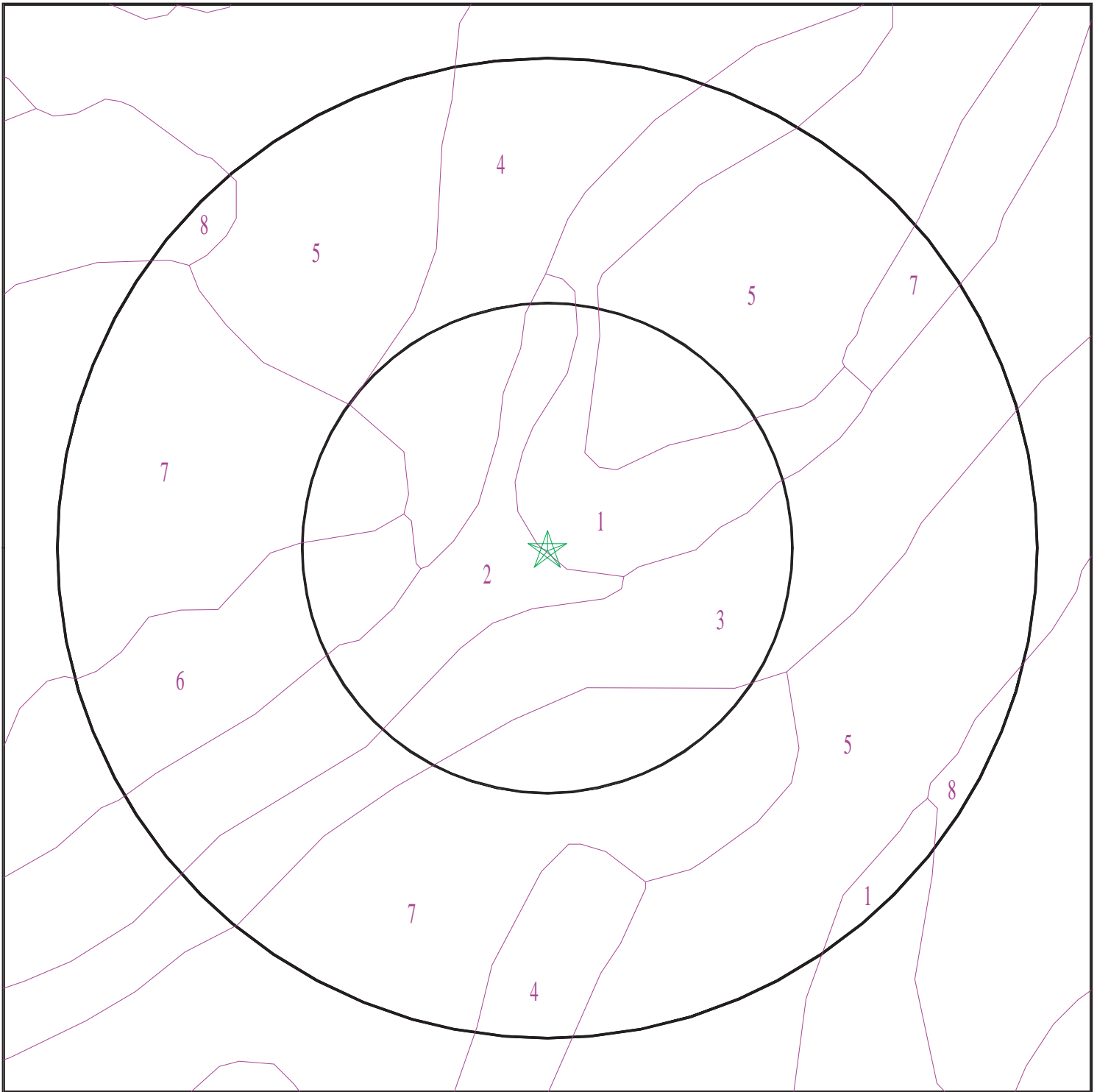
Era:	Cenozoic
System:	Tertiary
Series:	Eocene
Code:	Te (decoded above as Era, System & Series)

#### **GEOLOGIC AGE IDENTIFICATION**

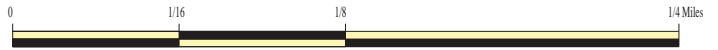
Category: Stratified Sequence

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

# SSURGO SOIL MAP - 4375265.2s



- ★ Target Property
- SSURGO Soil
- Water



SITE NAME: Ocean Ranch Substation Property  
ADDRESS: Rocky Point Drive  
Oceanside CA 92056  
LAT/LONG: 33.2108 / 117.2939

CLIENT: GeoSyntec Consultants  
CONTACT: Steve Phillips  
INQUIRY #: 4375265.2s  
DATE: August 05, 2015 8:11 pm

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

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

#### Soil Map ID: 1

Soil Component Name: DIABLO

Soil Surface Texture: clay

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

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	14 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 7.8 Min: 6.6
2	14 inches	31 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 1.4 Min: 0.42	Max: 7.8 Min: 6.6
3	31 inches	35 inches	weathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:

#### Soil Map ID: 2

Soil Component Name: SALINAS

Soil Surface Texture: clay loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	22 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 6.6
2	22 inches	46 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 6.6
3	46 inches	64 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9

### Soil Map ID: 3

Soil Component Name: DIABLO

Soil Surface Texture: clay

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

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 7.8 Min: 6.6
2	9 inches	27 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 1.4 Min: 0.42	Max: 7.8 Min: 6.6
3	27 inches	31 inches	weathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:

### Soil Map ID: 4

Soil Component Name: LINNE

Soil Surface Texture: clay loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	14 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	14 inches	37 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9
3	37 inches	40 inches	weathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:

### Soil Map ID: 5

Soil Component Name: LAS FLORES

Soil Surface Texture: loamy fine sand

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

Soil Drainage Class: Moderately well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	14 inches	loamy fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 6.5 Min: 5.6
2	14 inches	22 inches	sandy clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 0.42 Min: 0.01	Max: 7.3 Min: 6.1

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
3	22 inches	38 inches	sandy clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 0.42 Min: 0.01	Max: 7.3 Min: 6.6
4	38 inches	48 inches	loamy coarse sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.3 Min: 6.6
5	48 inches	51 inches	weathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:

### Soil Map ID: 6

Soil Component Name: LINNE

Soil Surface Texture: clay loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	14 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9



## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	14 inches	37 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9
3	37 inches	40 inches	weathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:

### Soil Map ID: 7

Soil Component Name: DIABLO

Soil Surface Texture: clay

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

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	14 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 7.8 Min: 6.6
2	14 inches	31 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 7.8 Min: 6.6

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
3	31 inches	35 inches	weathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:

### Soil Map ID: 8

Soil Component Name: LAS FLORES

Soil Surface Texture: loamy fine sand

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

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	14 inches	loamy fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 6.5 Min: 5.6
2	14 inches	22 inches	sandy clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 0.42 Min: 0.01	Max: 7.3 Min: 6.1
3	22 inches	38 inches	sandy clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 0.42 Min: 0.01	Max: 7.3 Min: 6.6

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
4	38 inches	48 inches	loamy coarse sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.3 Min: 6.6
5	48 inches	51 inches	weathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:

## LOCAL / REGIONAL WATER AGENCY RECORDS

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

## WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

## **FEDERAL USGS WELL INFORMATION**

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

## **FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION**

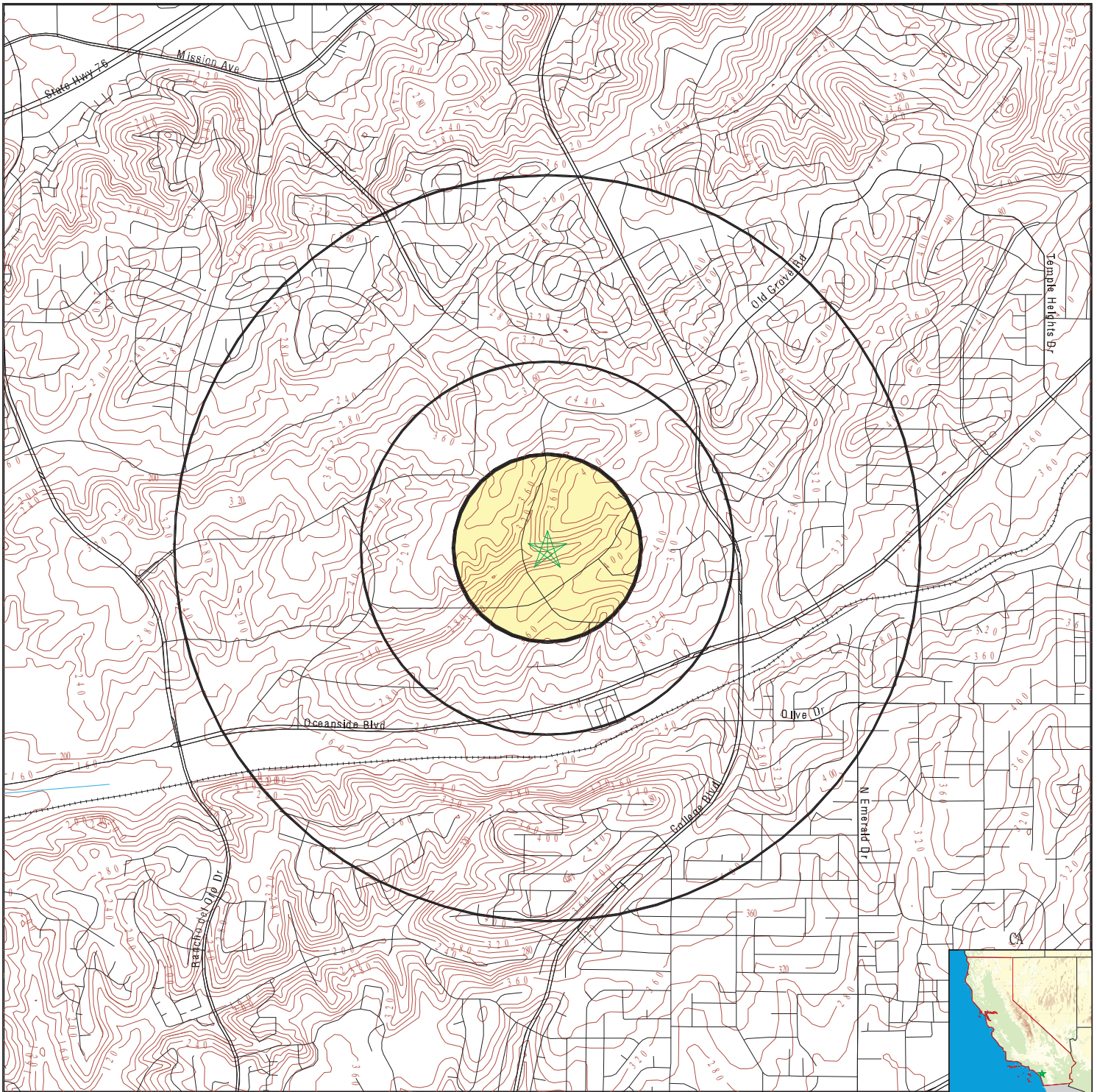
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

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

## **STATE DATABASE WELL INFORMATION**

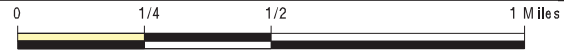
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

# PHYSICAL SETTING SOURCE MAP - 4375265.2s



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

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



SITE NAME: Ocean Ranch Substation Property  
 ADDRESS: Rocky Point Drive  
 Oceanside CA 92056  
 LAT/LONG: 33.2108 / 117.2939

CLIENT: GeoSyntec Consultants  
 CONTACT: Steve Phillips  
 INQUIRY #: 4375265.2s  
 DATE: August 05, 2015 8:11 pm

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

State Database: CA Radon

### Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
92056	38	0

Federal EPA Radon Zone for SAN DIEGO County: 3

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

---

Federal Area Radon Information for Zip Code: 92056

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.200 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

### USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

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

### Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

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

## HYDROLOGIC INFORMATION

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

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

## HYDROGEOLOGIC INFORMATION

### AQUIFLOW<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

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

## GEOLOGIC INFORMATION

### Geologic Age and Rock Stratigraphic Unit

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

### STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

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

### SSURGO: Soil Survey Geographic Database

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

Telephone: 800-672-5559

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

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## LOCAL / REGIONAL WATER AGENCY RECORDS

### FEDERAL WATER WELLS

#### PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

#### PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

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

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

### STATE RECORDS

#### Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

#### California Drinking Water Quality Database

Source: Department of Public Health

Telephone: 916-324-2319

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

## OTHER STATE DATABASE INFORMATION

#### California Oil and Gas Well Locations

Source: Department of Conservation

Telephone: 916-323-1779

Oil and Gas well locations in the state.

### RADON

#### State Database: CA Radon

Source: Department of Health Services

Telephone: 916-324-2208

Radon Database for California

#### Area Radon Information

Source: USGS

Telephone: 703-356-4020

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

#### EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

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

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

### OTHER

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

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

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

### STREET AND ADDRESS INFORMATION

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APPENDIX D  
EDR Aerial Photo Decade Package



**Ocean Ranch Substation Property**

Rocky Point Drive

Oceanside, CA 92056

Inquiry Number: 4375265.9

August 06, 2015

## The EDR Aerial Photo Decade Package



5 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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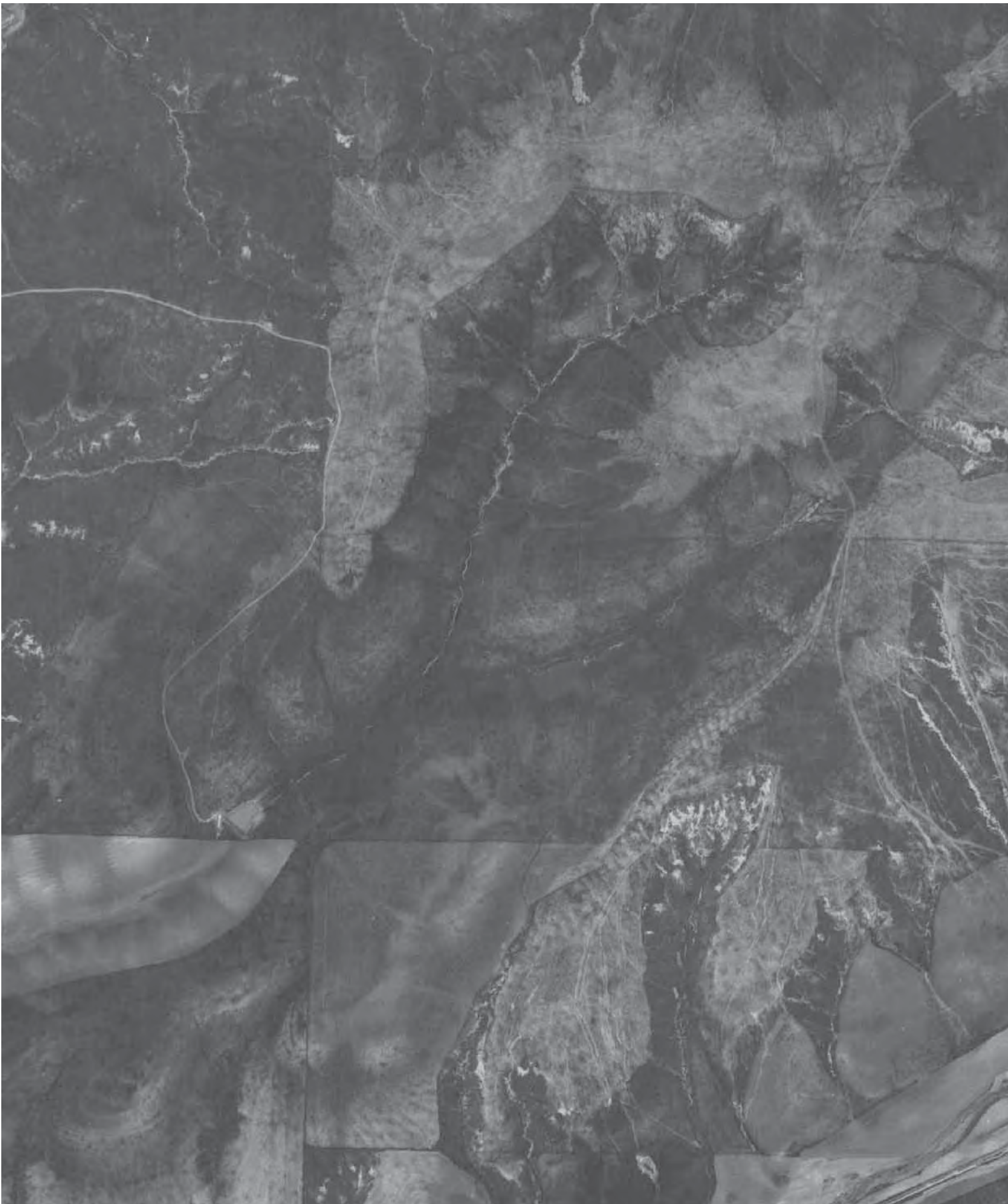
**Date EDR Searched Historical Sources:**

Aerial Photography August 06, 2015

**Target Property:**

Rocky Point Drive  
Oceanside, CA 92056

<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
1953	Aerial Photograph. Scale: 1"=500'	Flight Year: 1953	USGS
1964	Aerial Photograph. Scale: 1"=500'	Flight Year: 1964	USGS
1970	Aerial Photograph. Scale: 1"=500'	Flight Year: 1970	USGS
1979	Aerial Photograph. Scale: 1"=500'	Flight Year: 1979	USGS
1985	Aerial Photograph. Scale: 1"=500'	Flight Year: 1985	USGS
1989	Aerial Photograph. Scale: 1"=500'	Flight Year: 1989	USGS
1994	Aerial Photograph. Scale: 1"=500'	/DOQQ - acquisition dates: 1994	USGS/DOQQ
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 #:** 4375265.9

**YEAR:** 1939

 = 500'





**INQUIRY #:** 4375265.9

**YEAR:** 1946

 = 500'





**INQUIRY #:** 4375265.9

**YEAR:** 1953

 = 500'





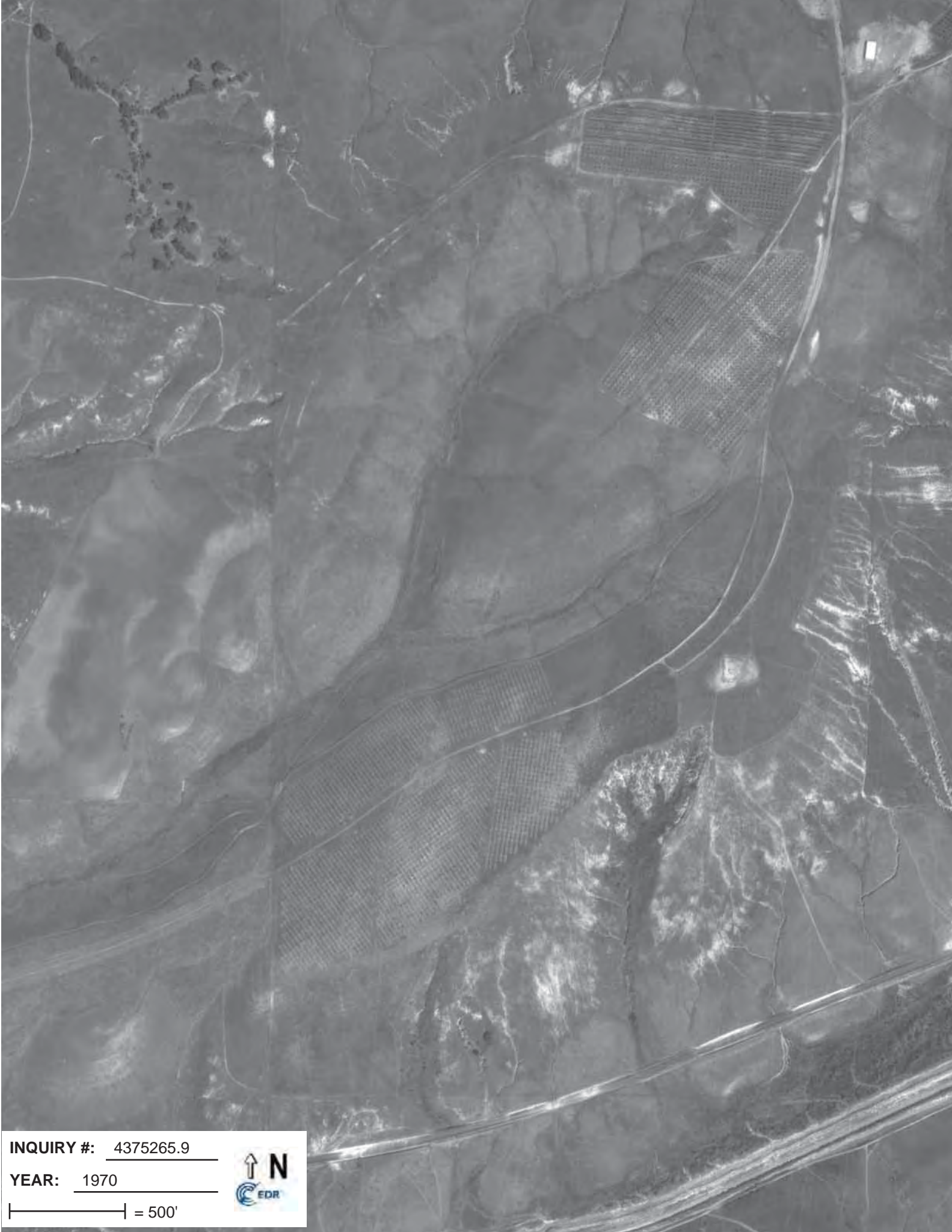
INQUIRY #: 4375265.9

YEAR: 1964

| = 500'







INQUIRY #: 4375265.9

YEAR: 1970

| = 500'





**INQUIRY #:** 4375265.9

**YEAR:** 1979

| = 500'





INQUIRY #: 4375265.9

YEAR: 1985

| = 500'





INQUIRY #: 4375265.9

YEAR: 1989

| = 500'





INQUIRY #: 4375265.9

YEAR: 1994

| = 500'





INQUIRY #: 4375265.9

YEAR: 2005

| = 500'





**INQUIRY #:** 4375265.9

**YEAR:** 2009

| = 500'





INQUIRY #: 4375265.9

YEAR: 2010

|—————| = 500'







INQUIRY #: 4375265.9

YEAR: 2012

| = 500'



APPENDIX E  
EDR Historical Topographic Map Report



**Ocean Ranch Substation Property**

Rocky Point Drive

Oceanside, CA 92056

Inquiry Number: 4375265.4

August 06, 2015

# EDR Historical Topographic Map Report



5 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.

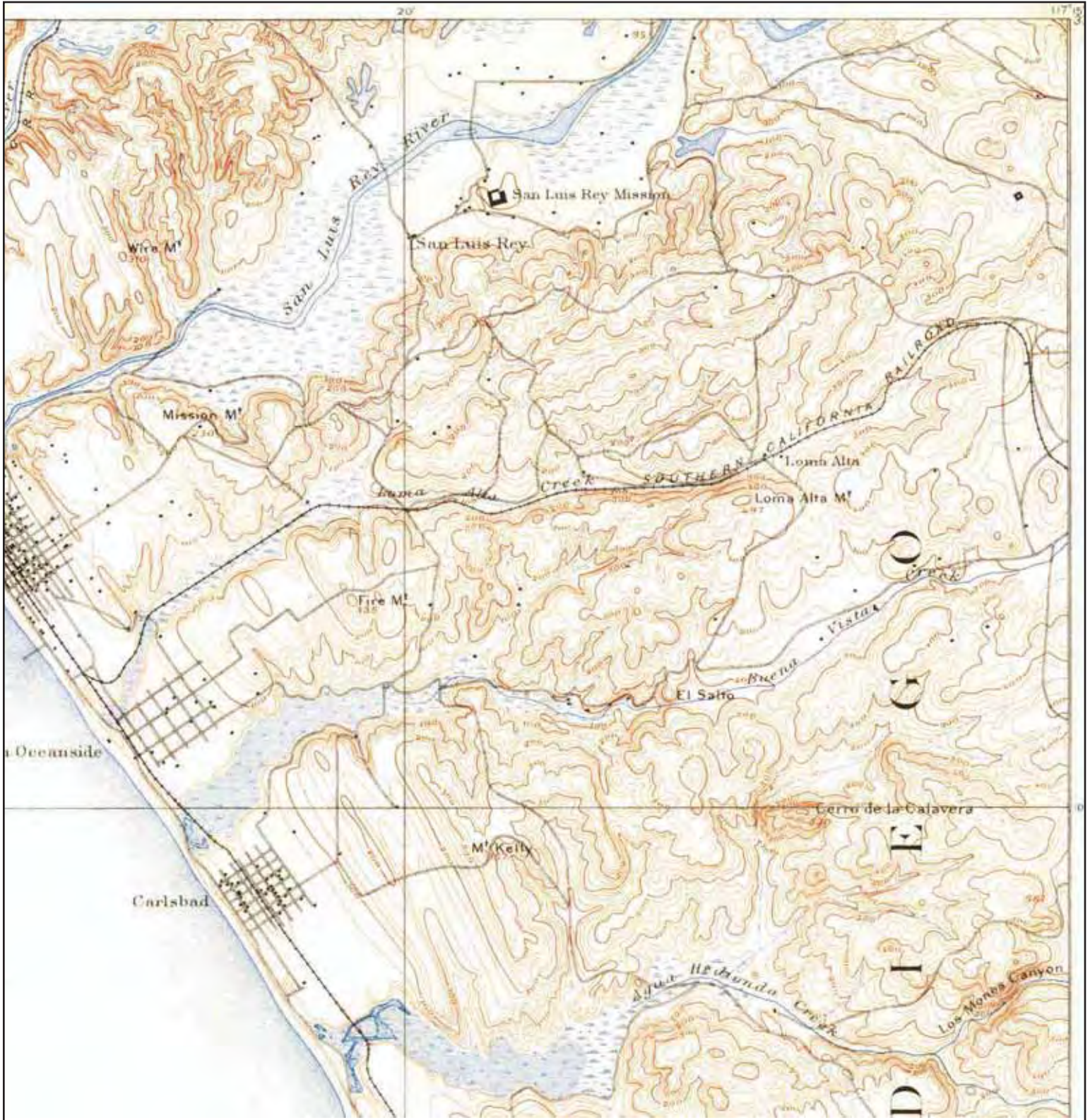
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# Historical Topographic Map



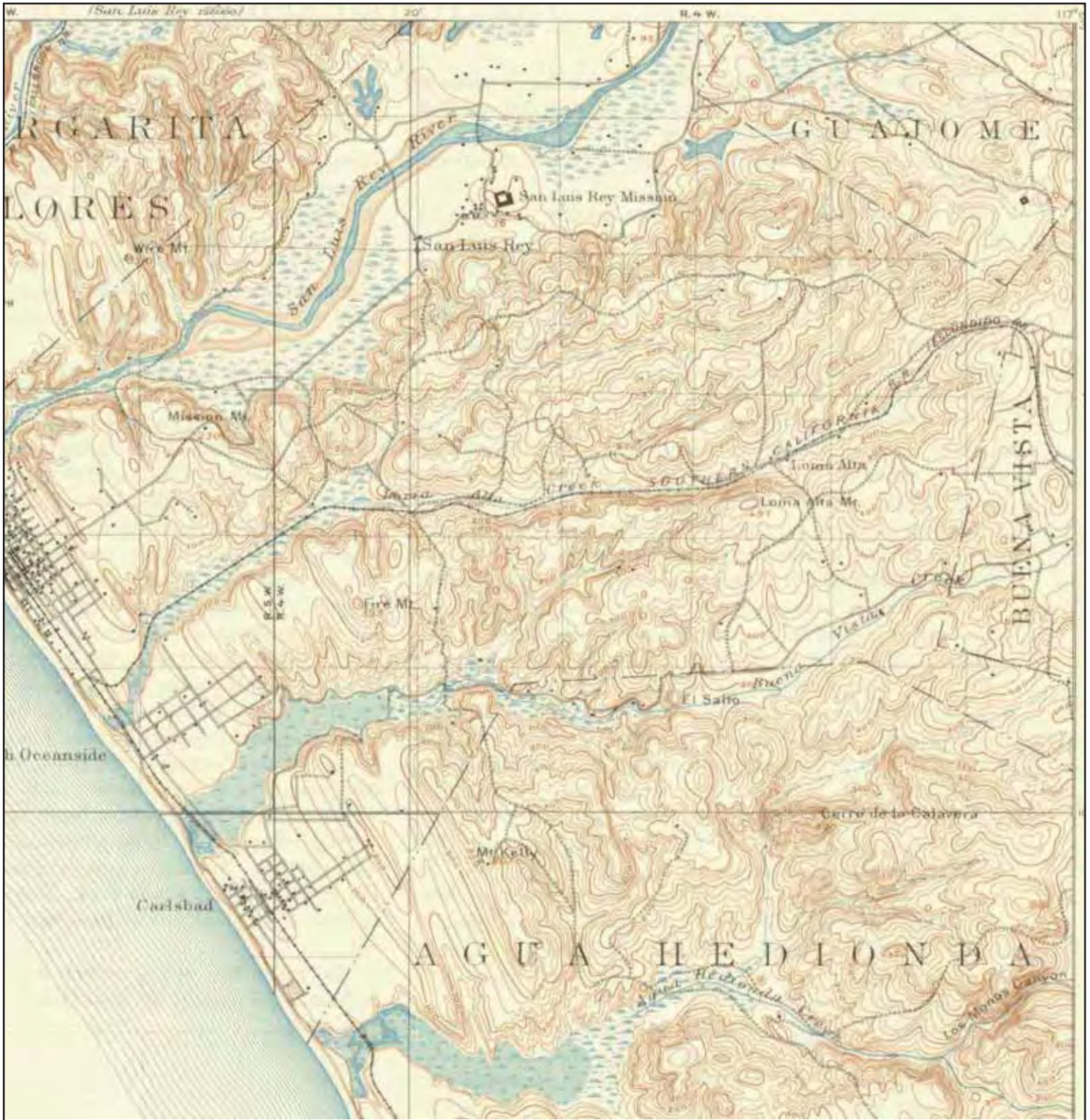
	<b>TARGET QUAD</b>	<b>SITE NAME:</b> Ocean Ranch Substation Property	<b>CLIENT:</b> GeoSyntec Consultants
	<b>NAME:</b> OCEANSIDE	<b>ADDRESS:</b> Rocky Point Drive	<b>CONTACT:</b> Steve Phillips
	<b>MAP YEAR:</b> 1893	<b>ADDRESS:</b> Ocean side, CA 92056	<b>INQUIRY#:</b> 4375265.4
	<b>SERIES:</b> 15	<b>LAT/LONG:</b> 33.2108 / -117.2939	<b>RESEARCH DATE:</b> 08/06/2015
	<b>SCALE:</b> 1:62500		


# Historical Topographic Map



	<b>TARGET QUAD</b>	<b>SITE NAME:</b> Ocean Ranch Substation Property	<b>CLIENT:</b> GeoSyntec Consultants
	<b>NAME:</b> SAN LUIS REY <b>MAP YEAR:</b> 1901	<b>ADDRESS:</b> Rocky Point Drive Oceanside, CA 92056	<b>CONTACT:</b> Steve Phillips
	<b>SERIES:</b> 30	<b>LAT/LONG:</b> 33.2108 / -117.2939	<b>INQUIRY#:</b> 4375265.4
	<b>SCALE:</b> 1:125000		<b>RESEARCH DATE:</b> 08/06/2015

# Historical Topographic Map



<p>N</p> 	<b>TARGET QUAD</b>	<b>SITE NAME:</b> Ocean Ranch Substation Property	<b>CLIENT:</b> GeoSyntec Consultants	
	NAME: OCEANSIDE	<b>ADDRESS:</b> Rocky Point Drive	<b>CONTACT:</b> Steve Phillips	
	MAP YEAR: 1901	<b>LAT/LONG:</b> 33.2108 / -117.2939	<b>INQUIRY#:</b> 4375265.4	<b>RESEARCH DATE:</b> 08/06/2015
	SERIES: 15			
	SCALE: 1:62500			

# Historical Topographic Map

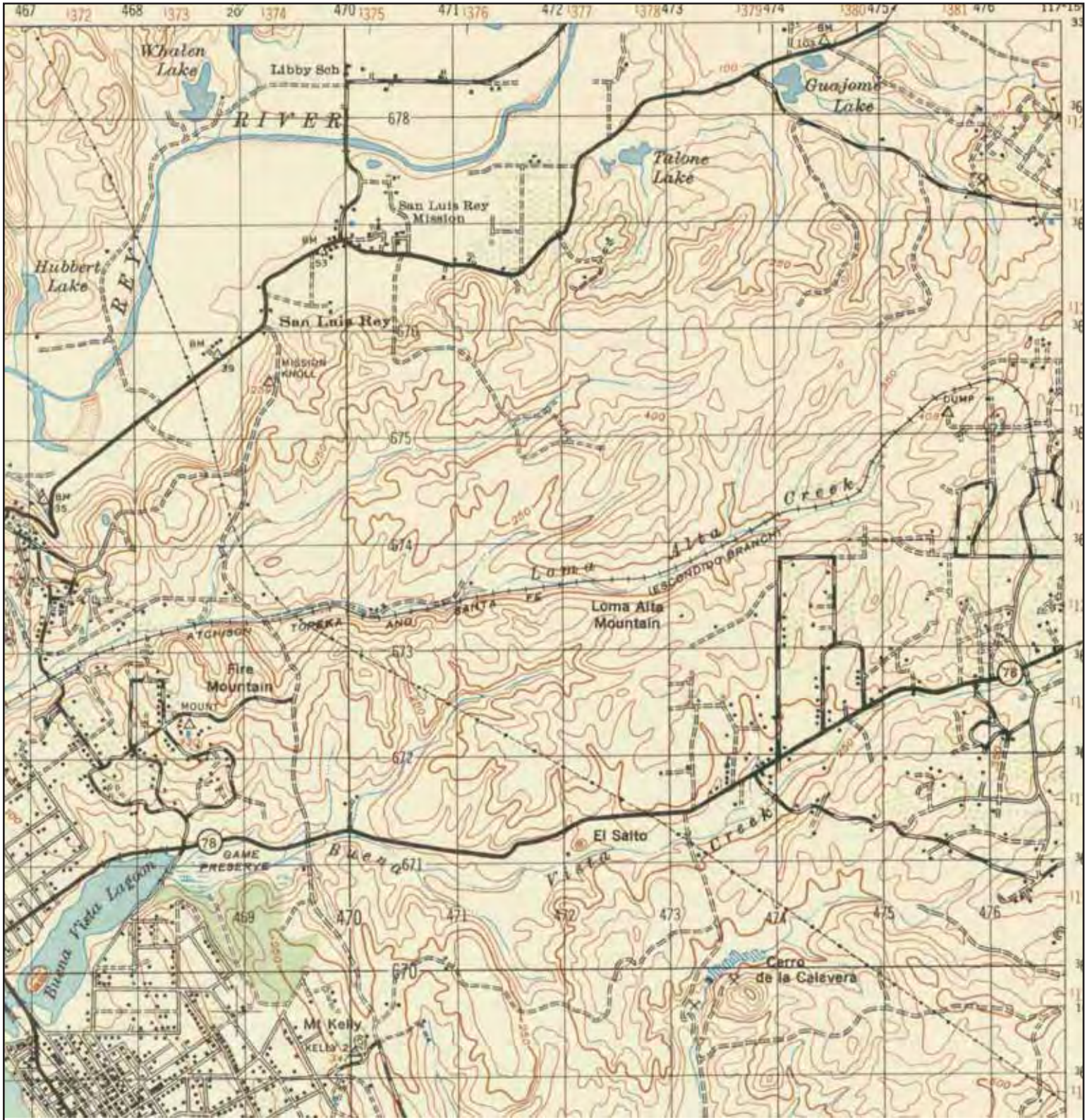



Unserved Area on the Topographic Map

	<b>TARGET QUAD</b>	<b>SITE NAME:</b> Ocean Ranch Substation Property	<b>CLIENT:</b> GeoSyntec Consultants
	NAME: SOUTHERN CA SHEET 2	<b>ADDRESS:</b> Rocky Point Drive	<b>CONTACT:</b> Steve Phillips
	MAP YEAR: 1904	Oceanside, CA 92056	<b>INQUIRY#:</b> 4375265.4
	<b>SERIES:</b> 60	<b>LAT/LONG:</b> 33.2108 / -117.2939	<b>RESEARCH DATE:</b> 08/06/2015
	<b>SCALE:</b> 1:250000		




# Historical Topographic Map



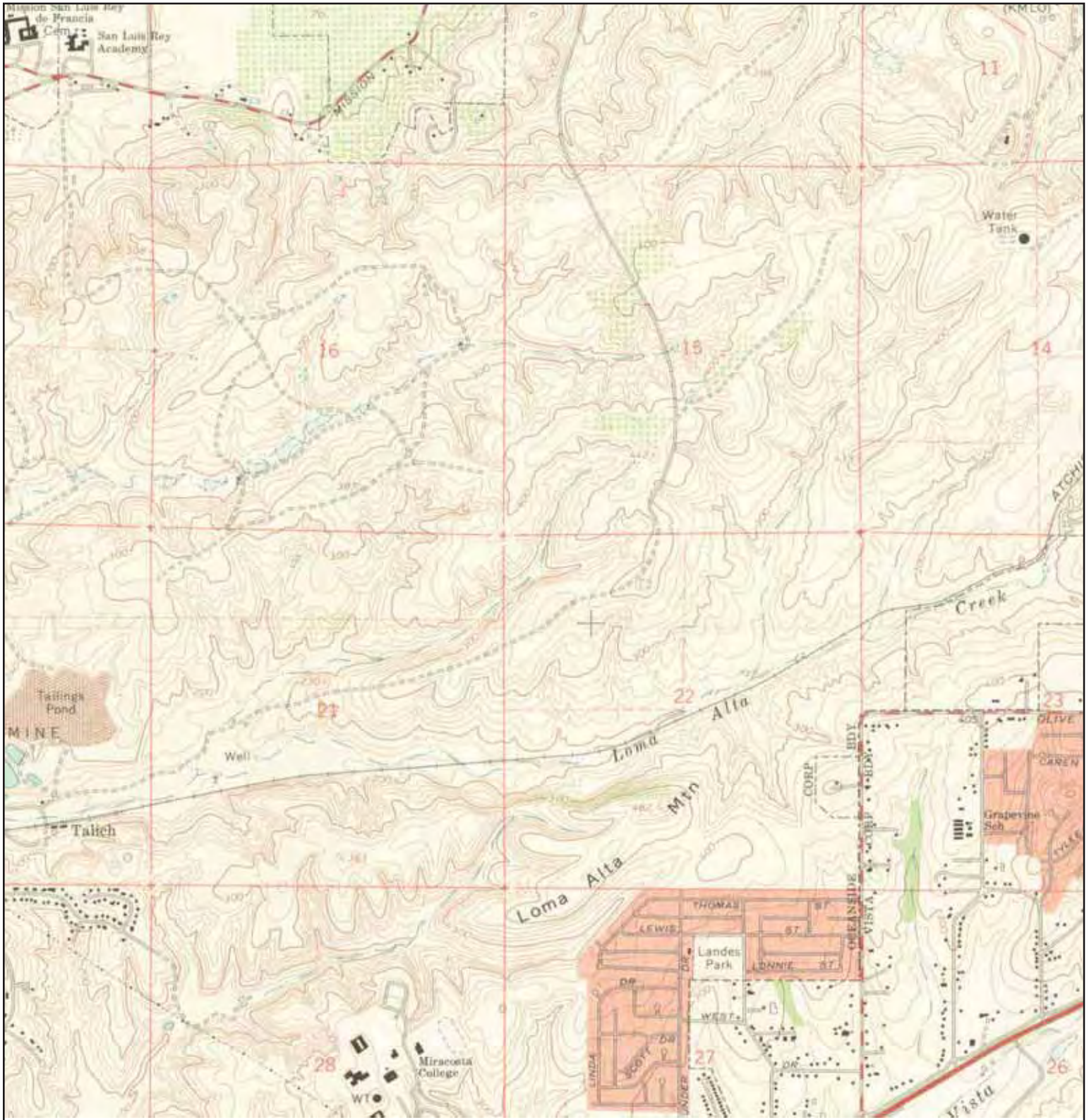
<p>N</p> 	<b>TARGET QUAD</b>	<b>SITE NAME:</b> Ocean Ranch Substation Property	<b>CLIENT:</b> GeoSyntec Consultants
	NAME: OCEANSIDE	<b>ADDRESS:</b> Rocky Point Drive	<b>CONTACT:</b> Steve Phillips
	MAP YEAR: 1947	Oceanside, CA 92056	<b>INQUIRY#:</b> 4375265.4
	<b>SERIES:</b> 15	<b>LAT/LONG:</b> 33.2108 / -117.2939	<b>RESEARCH DATE:</b> 08/06/2015
	<b>SCALE:</b> 1:50000		


# Historical Topographic Map



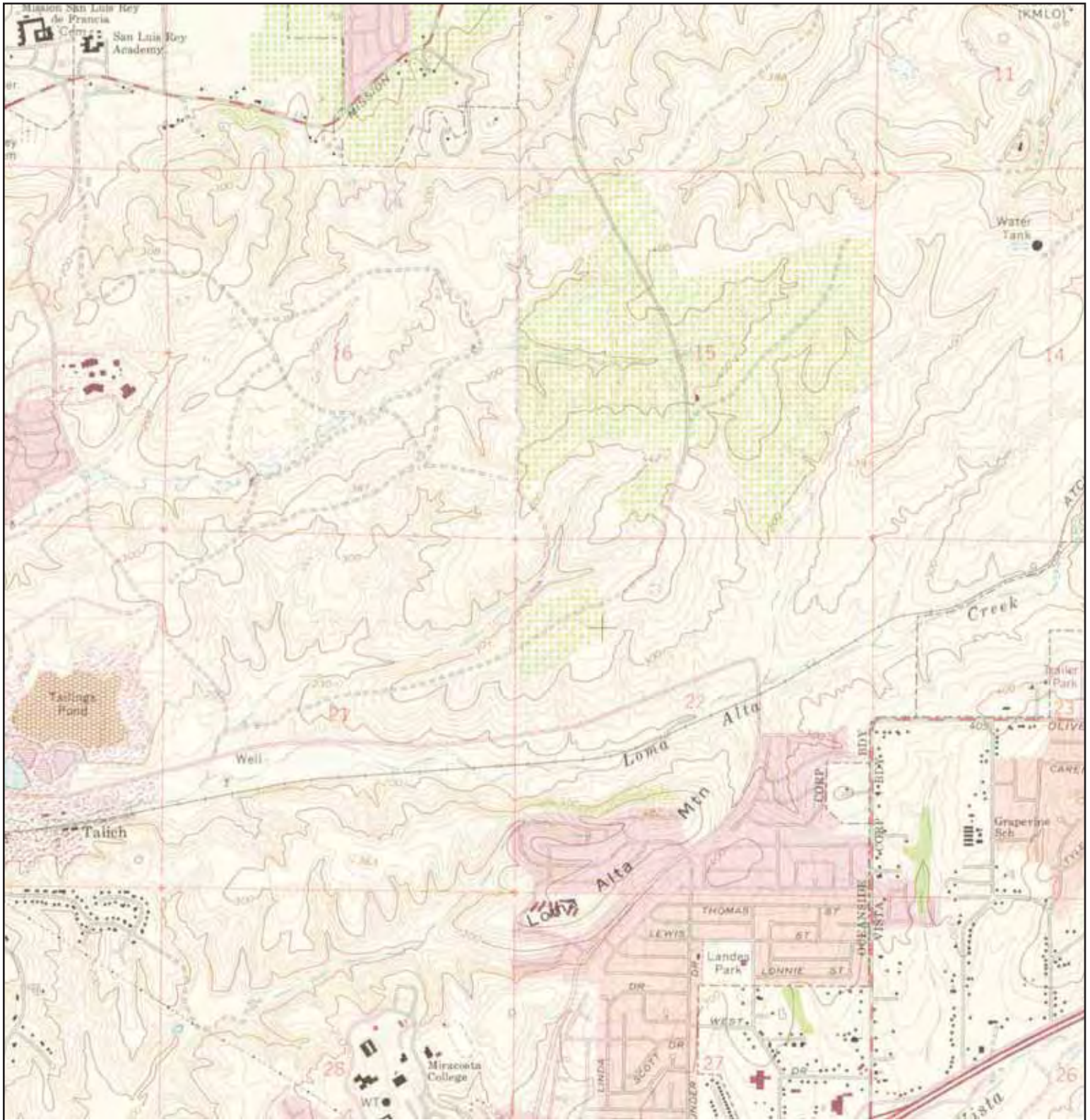
	<b>TARGET QUAD</b>	<b>SITE NAME:</b> Ocean Ranch Substation Property	<b>CLIENT:</b> GeoSyntec Consultants
	<b>NAME:</b> SAN LUIS REY	<b>ADDRESS:</b> Rocky Point Drive	<b>CONTACT:</b> Steve Phillips
	<b>MAP YEAR:</b> 1949	<b>LAT/LONG:</b> 33.2108 / -117.2939	<b>INQUIRY#:</b> 4375265.4
	<b>SERIES:</b> 7.5		<b>RESEARCH DATE:</b> 08/06/2015
	<b>SCALE:</b> 1:24000		


# Historical Topographic Map



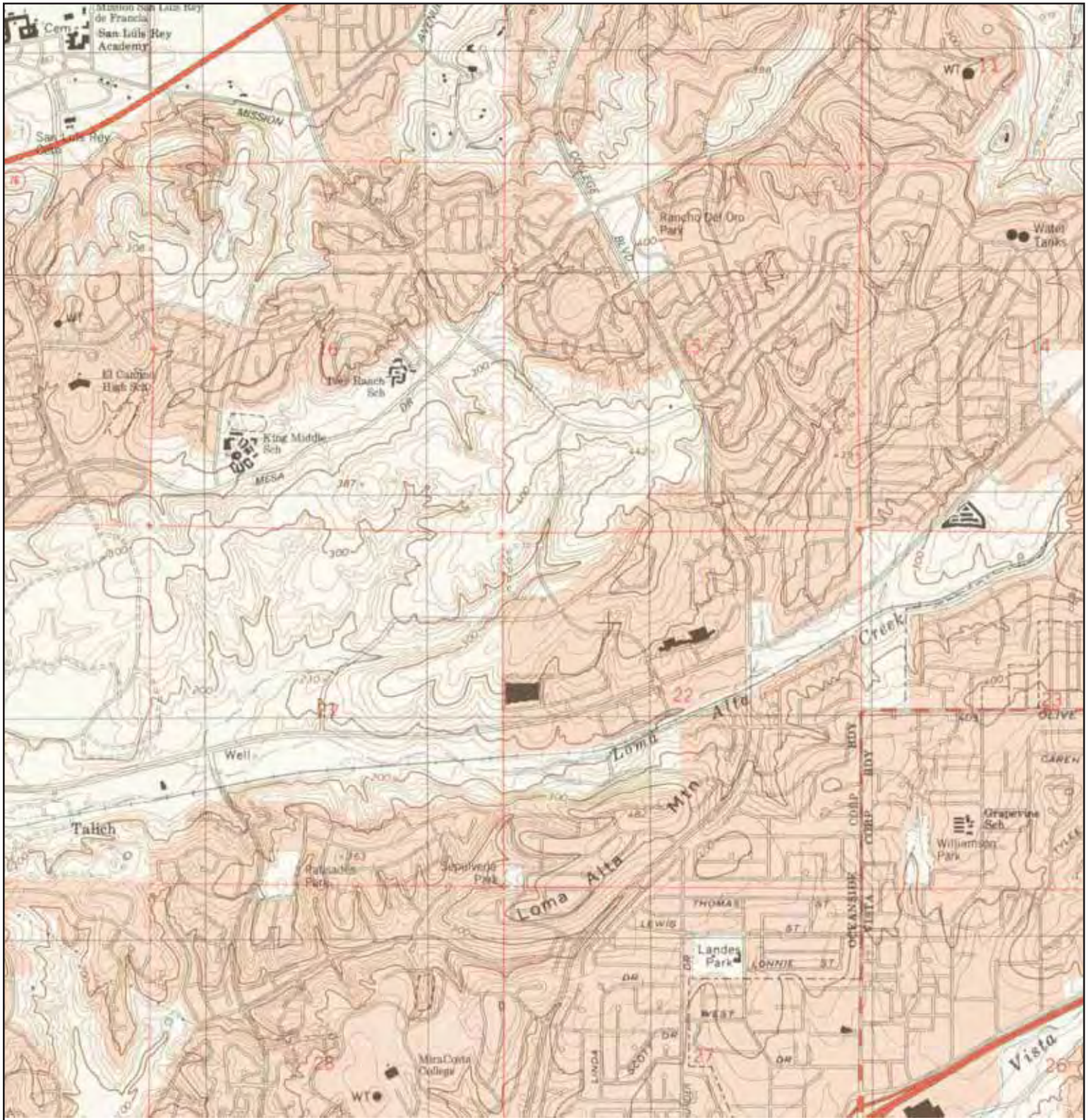
	<b>TARGET QUAD</b>	<b>SITE NAME:</b> Ocean Ranch Substation Property	<b>CLIENT:</b> GeoSyntec Consultants
	<b>NAME:</b> SAN LUIS REY		<b>CONTACT:</b> Steve Phillips
	<b>MAP YEAR:</b> 1968	<b>ADDRESS:</b> Rocky Point Drive Oceanside, CA 92056	<b>INQUIRY#:</b> 4375265.4
	<b>SERIES:</b> 7.5	<b>LAT/LONG:</b> 33.2108 / -117.2939	<b>RESEARCH DATE:</b> 08/06/2015
	<b>SCALE:</b> 1:24000		


# Historical Topographic Map



	<b>TARGET QUAD</b>	<b>SITE NAME:</b> Ocean Ranch Substation Property	<b>CLIENT:</b> GeoSyntec Consultants
	<b>NAME:</b> SAN LUIS REY	<b>ADDRESS:</b> Rocky Point Drive	<b>CONTACT:</b> Steve Phillips
	<b>MAP YEAR:</b> 1975	<b>OCEANSIDE:</b> Oceanside, CA 92056	<b>INQUIRY#:</b> 4375265.4
	<b>PHOTOREVISED FROM :</b> 1968	<b>LAT/LONG:</b> 33.2108 / -117.2939	<b>RESEARCH DATE:</b> 08/06/2015
	<b>SERIES:</b> 7.5		
	<b>SCALE:</b> 1:24000		

# Historical Topographic Map



	<b>TARGET QUAD</b>	<b>SITE NAME:</b> Ocean Ranch Substation Property	<b>CLIENT:</b> GeoSyntec Consultants	
	<b>NAME:</b> SAN LUIS REY	<b>ADDRESS:</b> Rocky Point Drive	<b>CONTACT:</b> Steve Phillips	
	<b>MAP YEAR:</b> 1997	<b>LAT/LONG:</b> 33.2108 / -117.2939	<b>INQUIRY#:</b> 4375265.4	<b>RESEARCH DATE:</b> 08/06/2015
	<b>SERIES:</b> 7.5			
	<b>SCALE:</b> 1:24000			

APPENDIX F  
EDR Sanborn Map Report



**Ocean Ranch Substation Property**

Rocky Point Drive

Oceanside, CA 92056

Inquiry Number: 4375265.3

August 05, 2015

**Certified Sanborn® Map Report**



5 Armstrong Road, 4th Floor  
Shelton, Connecticut 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

# Certified Sanborn® Map Report

8/05/15

**Site Name:**

Ocean Ranch Substation  
Rocky Point Drive  
Oceanside, CA 92056

**Client Name:**

GeoSyntec Consultants  
10875 Rancho Bernardo Road  
San Diego, CA 92127



EDR Inquiry # 4375265.3

Contact: Steve Phillips

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by GeoSyntec Consultants were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting [www.edrnet.com/sanborn](http://www.edrnet.com/sanborn).

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:** Ocean Ranch Substation Property  
**Address:** Rocky Point Drive  
**City, State, Zip:** Oceanside, CA 92056  
**Cross Street:**  
**P.O. #** SC0774  
**Project:** Ocean Ranch Substation  
**Certification #** 0134-465F-810C



Sanborn® Library search results  
Certification # 0134-465F-810C

## UNMAPPED PROPERTY

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

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

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APPENDIX G  
EDR City Directory Abstract Report

**Ocean Ranch Substation Property**

Rocky Point Drive  
Oceanside, CA 92056

Inquiry Number: 4375265.5  
August 06, 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 1903 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.

### RECORD SOURCES

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Data by

**infoUSA**<sup>®</sup>

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### 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	-	-	-	-
	Cole Information Services	-	X	X	-
2008	Cole Information Services	-	-	-	-
2006	Haines Company, Inc.	-	-	-	-
	Haines Company, Inc.	-	X	X	X
2000	Haines Company, Inc.	-	-	-	-
	Haines Company, Inc.	-	X	X	-
1995	PACIFIC BELL WHITE PAGES	-	-	-	-
	PACIFIC BELL WHITE PAGES	-	X	X	-
1992	PACIFIC BELL WHITE PAGES	-	-	-	-
1991	PACIFIC BELL WHITE PAGES	-	-	-	-
	PACIFIC BELL WHITE PAGES	-	X	X	-
1989	Pacific Bell	-	-	-	-
1985	PACIFIC BELL WHITE PAGES	-	-	-	-
1984	R. L. Polk & Co.	-	-	-	-

## EXECUTIVE SUMMARY

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
1980	Pacific Telephone	-	-	-	-
1976	Luskey Brothers & Co., Inc.	-	-	-	-
1975	R. L. Polk Co.	-	-	-	-
1971	Community Directory Co.	-	-	-	-
1970	John M. Ducey	-	-	-	-
1966	R. L. Polk Co.	-	-	-	-
1965	Luskey Brothers Co., Inc.	-	-	-	-
1962	Community Directory Co.	-	-	-	-
1961	R. L. Polk & Co.	-	-	-	-
1960	The Pacific Telephone Telegraph Co.	-	-	-	-
1956	R. L. Polk & Co.	-	-	-	-
1955	The Pacific Telephone & Telegraph Co.	-	-	-	-
1952	R. L. Polk Co. of California	-	-	-	-
1950	The Pacific Telephone Telegraph Co.	-	-	-	-
1948	San Diego Directory Co.	-	-	-	-
1945	San Diego Directory Co.	-	-	-	-
1943	San Diego Directory Co.	-	-	-	-
1940	San Diego Directory Co.	-	-	-	-
1938	San Diego Directory Co.	-	-	-	-
1933	San Diego Directory Co.	-	-	-	-
1927	San Diego Directory Co.	-	-	-	-
1921	San Diego Directory Co. Inc.	-	-	-	-
1907	San Diego Directory Co.	-	-	-	-
1903	San Diego Directory Co.	-	-	-	-

## FINDINGS

### TARGET PROPERTY INFORMATION

#### ADDRESS

Rocky Point Drive  
Oceanside, CA 92056

#### FINDINGS DETAIL

Target Property research detail.

# FINDINGS

## ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

### AVENIDA DE LA PLATA

#### 4100 AVENIDA DE LA PLATA

<u>Year</u>	<u>Uses</u>	<u>Source</u>	
2006	ACT DIAGNOSTICS	Haines Company, Inc.	Image pg. A1
	BAY CAL COMMERCIAL PAINTING	Haines Company, Inc.	Image pg. A1
	RANCHO DEL ORO	Haines Company, Inc.	Image pg. A1
2000	ACT DIAGNOSTICS	Haines Company, Inc.	
	NATL TEST	Haines Company, Inc.	
	EQUIPMENT & CAUBRATN	Haines Company, Inc.	
	PSAROS George	Haines Company, Inc.	
1995	RANCHO DEL ORO	Haines Company, Inc.	
	Artistic Maintenance Inc	PACIFIC BELL WHITE PAGES	
	Lasting Impressions papr	PACIFIC BELL WHITE PAGES	
	Lasting Impressions papr	PACIFIC BELL WHITE PAGES	
	Lasting Impressions By Martina cosmetics .....	PACIFIC BELL WHITE PAGES	
	Lasting Impressions Inc .....	PACIFIC BELL WHITE PAGES	
	Rancho Del Oro	PACIFIC BELL WHITE PAGES	
1991	Vision West	PACIFIC BELL WHITE PAGES	
	Aquasep	PACIFIC BELL WHITE PAGES	

#### 4105 AVENIDA DE LA PLATA

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	XXXX	Haines Company, Inc.
1991	Tri Quest Development Co	PACIFIC BELL WHITE PAGES
	Trish ORielly Photography .....	PACIFIC BELL WHITE PAGES

#### 4112 AVENIDA DE LA PLATA

<u>Year</u>	<u>Uses</u>	<u>Source</u>	
2006	LANDMARK MOTORCYCLE ACCESSORY	Haines Company, Inc.	Image pg. A1
2000	ALLEN INDSTRY	Haines Company, Inc.	
	CENTERLSS GRNDNG	Haines Company, Inc.	
	ALLEN Lowell	Haines Company, Inc.	
	LANDMARK MFG INC	Haines Company, Inc.	

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Grand Travel	PACIFIC BELL WHITE PAGES
	Landmark Manufacturing Inc	PACIFIC BELL WHITE PAGES
1991	Landmark Manufacturing Inc	PACIFIC BELL WHITE PAGES
	Tower Mortgage	PACIFIC BELL WHITE PAGES

### 4113 AVENIDA DE LA PLATA

<u>Year</u>	<u>Uses</u>	<u>Source</u>	
2006	WIRE SOLUTIONS INC	Haines Company, Inc.	Image pg. A1
2000	WIRE SOLUTIONS INC	Haines Company, Inc.	
	WIRE SOLUTIONS INC	Haines Company, Inc.	

### 4115 AVENIDA DE LA PLATA

<u>Year</u>	<u>Uses</u>	<u>Source</u>	
2006	SEPRO INC	Haines Company, Inc.	Image pg. A1
2000	SEPRO INC	Haines Company, Inc.	

### 4119 AVENIDA DE LA PLATA

<u>Year</u>	<u>Uses</u>	<u>Source</u>	
2006	COBRA PANITBALL	Haines Company, Inc.	Image pg. A1
2000	JONES Anthony	Haines Company, Inc.	
1995	M CPetro & Co	PACIFIC BELL WHITE PAGES	

### 4120 AVENIDA DE LA PLATA

<u>Year</u>	<u>Uses</u>	<u>Source</u>	
2006	JONES BROADBAND INTERNATONAL	Haines Company, Inc.	Image pg. A1
2000	JONES BROADBAND INTERNATIONAL	Haines Company, Inc.	
	JONES Anthony	Haines Company, Inc.	

### 4121 AVENIDA DE LA PLATA

<u>Year</u>	<u>Uses</u>	<u>Source</u>	
2006	APPLIED COMPOSITE SOLUTIONS	Haines Company, Inc.	Image pg. A1
2000	WILLIAMSON MRN SV	Haines Company, Inc.	
1995	Williamson & Schml d civ engnrs .. .. .	PACIFIC BELL WHITE PAGES	
	.....		
	O W Illiamson Marine Service	PACIFIC BELL WHITE PAGES	
	Willles 1 Hour Dry Cleaners	PACIFIC BELL WHITE PAGES	
1991	Fax .....	PACIFIC BELL WHITE PAGES	
	Ofc .....	PACIFIC BELL WHITE PAGES	
	Williamson Marine Service	PACIFIC BELL WHITE PAGES	



## FINDINGS

### 4123 AVENIDA DE LA PLATA

<u>Year</u>	<u>Uses</u>	<u>Source</u>	
2006	ROGERS SCHOOLS & BUSINESS PRDCTS	Haines Company, Inc.	Image pg. A1
	ROGERS J P & ASSOCIATES	Haines Company, Inc.	Image pg. A1
	JP RODGERS & ASSOCIATES	Haines Company, Inc.	Image pg. A1
	FULL CIRCLE MANAGEMENT	Haines Company, Inc.	Image pg. A1
2000	HAUTE TRENDS	Haines Company, Inc.	
	PURE ALLURE ACCSSRY	Haines Company, Inc.	
1995	Haute Trends	PACIFIC BELL WHITE PAGES	
	Have Paste Will Travel .....	PACIFIC BELL WHITE PAGES	
	Pure Allure Accessories	PACIFIC BELL WHITE PAGES	
	Pure Color	PACIFIC BELL WHITE PAGES	

### 4125 AVENIDA DE LA PLATA

<u>Year</u>	<u>Uses</u>	<u>Source</u>	
2006	B & M HARDWARE CO	Haines Company, Inc.	Image pg. A1
2000	JONES Anthony	Haines Company, Inc.	

### 4127 AVENIDA DE LA PLATA

<u>Year</u>	<u>Uses</u>	<u>Source</u>	
2006	ELMEC MANUFACTURING	Haines Company, Inc.	Image pg. A1
2000	PHARES Joe	Haines Company, Inc.	
	ELMEC MANUFACTURING	Haines Company, Inc.	

### 4128 AVENIDA DE LA PLATA

<u>Year</u>	<u>Uses</u>	<u>Source</u>	
2006	CUSTOM GOLF	Haines Company, Inc.	Image pg. A1
	DECORATIVE SERVICES	Haines Company, Inc.	Image pg. A1
	DECORATIVE SERVIVES	Haines Company, Inc.	Image pg. A1
	SOUTHRN CA DIGITAL SYSTEMS GRP	Haines Company, Inc.	Image pg. A1
2000	FERRANTE R WILLIAM JD MBA	Haines Company, Inc.	
	IKEGAMI MOLD CORP OF AMERICA	Haines Company, Inc.	
	JONES Anthony	Haines Company, Inc.	
1995	Lin Wood Products	PACIFIC BELL WHITE PAGES	
	Lin Yuan H MD .....	PACIFIC BELL WHITE PAGES	
	Lina Shoe Stores	PACIFIC BELL WHITE PAGES	
	Plumbing Heating & Air Conditioning By Zee	PACIFIC BELL WHITE PAGES	
	Power Swing Indoor Batting Cages	PACIFIC BELL WHITE PAGES	
	Refrigeration By Zee	PACIFIC BELL WHITE PAGES	

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	L M E	PACIFIC BELL WHITE PAGES

### AVENIDA DEL ORO

#### 1895 AVENIDA DEL ORO

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	UNITED STATES GOVERNMENT	Cole Information Services
	CYA FINANCIAL SERVICES	Cole Information Services
	UNITED STATES GOVERNMENT	Cole Information Services
	CYA FINANCIAL SERVICES	Cole Information Services
	UNITED STATES GOVERNMENT	Cole Information Services
	CYA FINANCIAL SERVICES	Cole Information Services
2000	XXXX	Haines Company, Inc.

## FINDINGS

### 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.

<u>Address Researched</u>	<u>Address Not Identified in Research Source</u>
1895 AVENIDA DEL ORO	2013, 2008, 2006, 1995, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
1895 AVENIDA DEL ORO	2008, 2006, 2000, 1995, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
4100 AVENIDA DE LA PLATA	2013, 2008, 1992, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
4105 AVENIDA DE LA PLATA	2013, 2008, 2006, 1995, 1992, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
4112 AVENIDA DE LA PLATA	2013, 2008, 1992, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
4113 AVENIDA DE LA PLATA	2013, 2008, 1995, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
4115 AVENIDA DE LA PLATA	2013, 2008, 1995, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
4119 AVENIDA DE LA PLATA	2013, 2008, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
4120 AVENIDA DE LA PLATA	2013, 2008, 1995, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
4121 AVENIDA DE LA PLATA	2013, 2008, 1992, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
4123 AVENIDA DE LA PLATA	2013, 2008, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
4125 AVENIDA DE LA PLATA	2013, 2008, 1995, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
4127 AVENIDA DE LA PLATA	2013, 2008, 1995, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
4128 AVENIDA DE LA PLATA	2013, 2008, 1992, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903

## **Source Page Images Appendix**



APPENDIX H  
Site Photographs

## APPENDIX H – SITE PHOTOGRAPHS

**SITE RECONNAISSANCE:** Ocean Ranch Substation Property, Oceanside, California

**DATE:** 6 August 2015

### PHOTOGRAPH 1:

View: Looking southeast from the northwest corner of the Site.

Photo shows the western portion of the Site.



### PHOTOGRAPH 2:

View: Looking southwest from the northeast corner of the Site.

Photo shows the eastern portion of the Site.



**PHOTOGRAPH 3:**

View: Looking north from the northern portion of the Site.

Photo shows the terminus of Rocky Point Drive, the primary access road for the Site.



**PHOTOGRAPH 4:**

View: Looking northwest from the northern portion of the Site.

Photo shows the asphalt paved road along the northwestern property boundary that is connected to Rocky Point Drive. Note the tire in the foreground.





**PHOTOGRAPH 5:**

View: Looking east from the western portion of the Site.

Photo shows the southern portion of the western parcel's stormwater retention basin and drop inlet. Note the dense vegetation and tire.



**PHOTOGRAPH 6:**

View: Looking east from the western portion of the Site.

Photo shows the northern portion of the western parcel's stormwater retention basin. Note the minor surficial erosion.



**PHOTOGRAPH 7:**

View: Looking northeast from the southern portion of the Site.

Photo shows the eastern parcel's stormwater retention basin and drop inlet.



**PHOTOGRAPH 8:**

View: Looking northwest from the southern portion of the Site.

Photo shows a concrete and clay brick debris stockpile in the southern portion of the Site along the boundary of the western parcel.



**PHOTOGRAPH 9:**

View: Looking east from the northern boundary of the Site.

Photo shows one of the two soil stockpiles onsite.



**PHOTOGRAPH 10:**

View: Looking north from the central portion of the Site.

Photo shows one of the two soil stockpiles onsite, along the eastern boundary of the western parcel. Further are the adjoining office buildings located north of the Site.



**PHOTOGRAPH 11:**

View: Looking northwest from the northern portion of the Site.

Photo shows a debris stockpile, including solid waste, wood, carpet, and a mattress.



**PHOTOGRAPH 12:**

View: Looking south from the southern portion of the Site.

Photo shows a transformer located at the southern boundary of the Site.



**PHOTOGRAPH 13:**

View: Looking northwest from the western portion of the Site.

Photo shows multiple tires in the foreground and background. Note the gravel ground surface related to the former construction staging yard.



**PHOTOGRAPH 14:**

View: Looking southwest from the northern portion of the Site.

Photo shows the rectangular portion of the western parcel, with a gravel ground surface, previously used as a construction staging yard.



**PHOTOGRAPH 15:**

View: Looking north from the southern portion of the Site.

Photo shows the reclaimed water sprinkler network which extends along the perimeter and central portion of the Site.



**PHOTOGRAPH 16:**

View: Looking north from the southern portion of the Site

Photo shows reclaimed water valve boxes located throughout the Site.



**PHOTOGRAPH 17:**

View: Looking southeast from the southern portion of the Site.

Photo shows a cluster of four stormdrain manholes located south of the eastern parcel's stormwater retention basin. Note the adjoining facility located at the corner of Avenida del Oro and Avenida de la Plata in the background.



**PHOTOGRAPH 18:**

View: Looking southeast from the southern portion of the Site.

Photo shows a cluster of five stormdrain manholes located south of the western parcel's stormwater retention basin. Note the development of a building located on the northwest adjoining property.



**PHOTOGRAPH 19:**

View: Looking southwest from the southern portion of the Site.

Photo shows a stormdrain lateral located along the eastern Site boundary in the southern portion of the Site, and a pad-mounted transformer located on the adjoining Landmark Manufacturing facility.



**PHOTOGRAPH 20:**

View: Looking northeast from the northeast portion of the Site.

Photo shows solid-waste and wood debris dumped along the Site boundary in the northeast corner of the Site.





**PHOTOGRAPH 21:**

View: Looking southeast from the eastern portion of the Site.

Photo shows the adjoining Landmark Manufacturing facility.



**PHOTOGRAPH 22:**

View: Looking west from the northwest corner of the Site.

Photo shows Avenida del Oro and the adjoining northwest property currently undergoing development.



**PHOTOGRAPH 23:**

View: Looking northwest from the southern portion of the Site.

Photo shows the adjoining United States Postal Service facility, across Avenida del Oro.



**PHOTOGRAPH 24:**

View: Looking west from the southern portion of the Site.

Photo shows the adjoining vacant property, across Avenida del Oro.



**PANORAMIC PHOTOGRAPH 1:**

View: Looking southwest from the northern portion of the Site.

Panoramic photo shows the relatively flat Site topography, with the eastern parcel more elevated than the western parcel.



**PANORAMIC PHOTOGRAPH 2:**

View: Looking northwest from the southern portion of the Site.

Panoramic photo shows the relatively flat Site topography.



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